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THE TRACHOMA PROBLEM IN THE STATE OF MINNESOTA.

By TALIAFERRO CLARK, Surgeon, United States Public Health Service.

The appointment of a Special Commission for the Blind by Governor Preus of Minnesota stimulated further inquiry into the trachoma situation in the State. Several surveys already made by the Minnesota State Board of Health, or by the State Board of Health in cooperation with other agencies, had revealed a very heavy trachoma infection among certain Indian bands in the State, and more or less widely scattered foci of infection among certain elements of the white population, which constitute a distinct menace to the visual health of the State. The results of these surveys are briefly outlined below for more ready comparison with the data collected during this investigation.

The Trachoma Status in 1912 and 1913.

In the years 1912 and 1913 the writer participated in three investigations of the trachoma prevalence in the State of Minnesota. Two of them were made at the request of the State Board of Health, and one, while not originating in, was made in cooperation with the State Board of Health. A detailed report of these surveys, "An Investigation of the Prevalence of Trachoma in the State of Minnesota," is set forth in Reprint No. 134 from the Public Health Reports, June 27, 1913.

The first of these surveys was made in May, 1912, to define the reported prevalence of trachoma among the Indian population of the State, to determine whether or not the disease was spreading to the white population contiguous to the Indian reservation and, finally, to investigate the reported existence of trachoma among the miners on the Mesaba and Vermilion iron ranges.

A second survey, made in October and November, 1912, was made in compliance with the act of Congress approved August 24, 1912, enabling the Public Health Service, then the Public Health and Marine Hospital Service, to make a study of the prevalence of trachoma and other contagious and infectious diseases among the Indians of the United States.

A third survey, made in March and April, 1913, was made by the United States Public Health Service at the request of the Minnesota

State Board of Health. This survey comprised examinations of school children, both public and parochial, at various points in the State, of the pupils of the State normal schools, of the students of the State Agricultural School at Minneapolis, of the inmates of the State penal and reformatory institutions, and of persons in the schools for the deaf, blind, and feeble-minded.

General results.—Owing to the fact that the second survey included many, if not all, of the Indians examined during the first survey, data relating to the preliminary Indian survey were not included in the general tabular consideration of the trachoma prevalence in the State. During the period covered by these investigations, 52,847 persons of all classes, including Indians, were examined for trachoma, and 610 cases of this disease in active form were discovered, constituting 1.15 per cent of the total number examined.

Only 77 cases of trachoma were found on examination of 49,305 white persons (a ratio of 1 to 640) in comparison with 533 cases observed among 3,542 Indians (a ratio of 1 to 7).

I. TRACHOMA AMONG THE INDIANS OF MINNESOTA.

In the course of investigations made in October and November, 1912, Indian reservations and schools were visited at Grand Portage and Grand Marais, Vermilion Lake and Tower Reservation, Red Lake Reservation and schools, Nett Lake Reservation and Pelican Point, Leech Lake Reservation and schools, Cass Lake boarding school and Winnebigoishish Lake region, Mille Lacs nonreservation settlement, and Fond du Lac Reservation.

Of the 3,542 Indians examined, 15.05 per cent were found to have trachoma.

TABLE I.—*Trachoma among the Indians of Minnesota.*

Reservation and schools.	Tribe.	Number examined.	Found to have trachoma.	
			Number.	Per cent.
Fond du Lac.....	Chippewa.....	182	2	1.09
Grand Portage and Grand Marais.....	do.....	143	.....	.....
Leech Lake.....	do.....	598	95	15.88
Mille Lacs.....	do.....	178	4	2.25
Nett Lake and Pelican Point.....	do.....	171	.....	.....
Red Lake.....	do.....	640	117	18.28
White Earth.....	do.....	1,323	272	20.56
Vermilion Lake.....	do.....	120	1	.83
Pipestone.....	do.....	187	42	22.46
Total.....	.....	3,542	533	15.05

Trachoma among reservation Indians.—Of 2,582 Indians examined in a house-to-house canvass, exclusive of school children, 12.66 per cent were found to be suffering with trachoma.

TABLE II.—*Trachoma among reservation Indians, exclusive of school children.*

Reservation.	Number examined.	Found to have trachoma.	
		Number	Per cent.
Fond du Lac.....	162	2	1.23
Grand Portage and Grand Marais.....	143		
Leech Lake.....	458	63	13.76
Mille Lake.....	178	4	2.25
Nett Lake.....	145		
Pelican Point.....	26		
Red Lake.....	464	66	14.22
White Earth.....	970	192	19.79
Vermilion Lake.....	36		
Total.....	2,582	327	12.66

It will be observed that the highest percentage of trachoma was found on the White Earth, Red Lake, and Leech Lake Reservations, 19.79, 14.22, and 13.76 per cent, respectively.

It is interesting to note that no trachoma was found in the course of this survey among the Indians of the northeastern section of the State, which includes the bands at Grand Portage, Grand Marais, Tower, and Nett Lake.

Trachoma in Indian schools.—The results of this survey point with suspicion to the Indian boarding schools as a factor in the spread of trachoma among the Indian population of the State.

TABLE III.—*Trachoma in Indian boarding schools.*

Name of school.	Pupils examined.	Found to have trachoma.	
		Number.	Per cent.
Cass Lake.....	47	18	38.30
Cross Lake.....	46	12	26.09
Leech Lake.....	64	12	18.75
Pipe Stone.....	187	42	22.46
Red Lake.....	63	19	30.16
St. Benedict's Industrial.....	94	12	12.76
St. Mary's Mission, Red Lake.....	64	20	31.25
Vermilion Lake.....	84	1	.12
White Earth.....	130	42	32.31
Wild Rice River.....	54	15	27.77
Total.....	833	193	23.86

TABLE IV.—*Trachoma in Indian day schools.*

School.	Number of pupils.	Found to have trachoma.	
		Number.	Per cent.
Fond du Lac.....	20	0	0.00
Portersville, White Earth.....	29	1	3.45
Squaw Point, Leech Lake.....	17	0	0.00
Sugar Point, Leech Lake.....	12	2	16.67
White Earth.....	46	10	21.74
Total.....	124	13	10.48

It may be observed in the foregoing tables that the incidence of trachoma in the boarding schools was, without exception, higher than that among the corresponding reservation Indians, exclusive of school children. It is very possible that the intimacies of boarding-school life afford excellent opportunity for the spread of infection in the schools; and the subsequent return of these infected children to their homes no doubt contributed still further to the spread of this disease among the Indian population.

Injury to vision caused by trachoma.—In order to show concretely the damage to vision caused by trachoma, records were kept in the course of this investigation of the amount of visual injury observed among the Indians.

TABLE V.—*Injury to vision among reservation Indians caused by trachoma.*

Number examined.....	2,582
Cases of trachoma.....	327
Number with marked injury to vision.....	41
Number blind from trachoma.....	19
Per cent of marked visual damage in trachoma cases.....	18.04
Per cent of visual damage in total examined.....	2.32
Per cent of blind from trachoma in total examined.....	.73

Owing to the lack of facilities for making examinations for the less obvious visual damage caused by trachoma, the above figures do not take into consideration the large amount of refraction defects that undoubtedly existed.

Trachoma in the public schools in the vicinity of Indian reservations.—There were found 77 children of mixed blood among the 1,428 school children examined at points contiguous to Indian reservations.

TABLE VI.

Place.	School.	Examined.		Cases of trachoma found.		Suspicious cases.	
		White.	Mixed blood.	White.	Mixed blood.	White.	Mixed blood.
Becker County.....	District No. 38.....	38	1		1		
Park Rapids.....	Central.....	365	3				
Do.....	East Side.....	73					
Mahnomen County.....	Districts No. 3 and No. 1.....	7	3				
Do.....	do.....	87	28		1	1	
Do.....	District No. 2.....	5	4				
Waukon.....		34	12				
Detroit.....	High school and Wash- ton School.....	580	23		1	1	4
Walker.....		162	3				
		1,351	77		3	2	4
Miscellaneous (teachers, janitors, etc.).....		58					
Mixed-blood family.....			5				
Scattering.....		3					
		61	5				

Per cent of trachoma among mixed-blood pupils, 3.93.

It will be observed that 3.9 per cent of the children of mixed Indian parentage attending these schools were trachomatous, and that two

cases of suspected trachoma were found among the white children. The potentiality of the increased contact of the two races in the schools (one of them heavily infected) in the spread of trachoma in the white population is obvious.

II. TRACHOMA AMONG THE MINERS OF MINNESOTA.

Of the total of 1,711 miners who were examined in 1912, 34 of them, or 1.99 per cent, were found to have trachoma.

TABLE VII.—*Trachoma among miners of the Mesaba and Vermilion Iron Ranges.*

Location.	Number examined.	Trachoma.		Per cent of trachoma.
		Positive.	Suspected.	
Biwabik.....	73	3	1	4.11
Bovey.....	66	4		6.06
Chisholm.....	1	1		
Coleraine.....	93	3	2	3.23
Ely.....	392			
Gilbert.....	1	1		
Hibbing.....	710	8	4	1.13
Marble.....	65	7		10.77
Virginia.....	310	7	4	2.26
Total.....	1,711	34	11	1.99

No case of trachoma was observed among the 392 miners examined on the Vermilion Iron Range.

At the time of this survey it was pointed out that the cases of trachoma observed among the miners were very active, some of them being in the acute stage of the disease, and that the presence of such numbers of recent cases at the different locations was due to established foci of infection rather than to fresh importations.

Trachoma in the public schools of the Mesaba Iron Range.—Trachoma was observed in the schools in 4 of the 10 districts visited in 1912. In one instance there was traced a definite connection between infection in the school and infected miners.

TABLE VIII.

School district.	Number of pupils examined.	Cases of trachoma.	
		Positive.	Suspicious.
Biwabik.....	465	3	
Bovey.....	143		
Chisholm.....	1,064	2	1
Coleraine.....	205		
Eveleth.....	1,315		
Gilbert.....	573		
Hibbing.....	1,168	2	2
Marble.....	130		
Taconite.....	71		
Virginia.....	1,747	3	1
Total.....	6,881	10	4
Miscellaneous:			
Bovey.....	2	2	
Ely.....	2	2	
Total.....	6,885	14	4

¹0.14 per cent.

²0.06 per cent.

III. TRACHOMA IN SCHOOLS AND STATE INSTITUTIONS.

In an attempt to determine the trachoma index and locate foci of infection in communities more or less remote from Indian reservations, a survey was made by the writer during the period March 6-April 19, 1913. A total of 39,264 persons were examined in the 18 counties visited.

TABLE IX.

County.	City, village, or township.	Schools and institutions.	Number examined.	Trachoma cases.		
				Positive.	Suspected.	Recovered.
Beltrami.....	Bemidji.....	3 public.....	880	1	1	.....
Do.....	Nymore.....	1 public.....	143	.....	1	.....
Blue Earth.....	Mankato.....	6 public, 1 normal.....	1,870	.....	5	.....
Carlton.....	Cloquet.....	4 public.....	1,097	.....	1	.....
Do.....	do.....	1 parochial.....	306	1	.....	.....
Clay.....	Moorhead.....	6 public, 1 normal.....	1,197	.....	.....	.....
Do.....	do.....	1 parochial.....	127	.....	.....	.....
Crow Wing.....	Brainard.....	6 public.....	1,352	14	.....	.....
Dakota.....	South St. Paul.....	4 public.....	977	3	3	.....
Goodhue.....	Red Wing.....	2 public.....	754	.....	.....	.....
Do.....	do.....	State training.....	180	.....	.....	.....
Hennepin.....	Minneapolis.....	20 public.....	10,251	2	.....	2
Do.....	do.....	6 parochial.....	1,554	1	2	.....
Itasca.....	Grand Rapids.....	3 public.....	530	.....	.....	.....
Otter Tail.....	Fergus Falls.....	5 public.....	1,094	.....	.....	.....
Polk.....	Crookston.....	6 public.....	1,096	.....	.....	.....
Ramsey.....	Rose Township.....	Agricultural.....	430	.....	.....	.....
Rice.....	Faribault.....	Blind.....	84	.....	1	3
Do.....	do.....	Deaf.....	244	.....	1	.....
Do.....	do.....	Feeble-minded.....	1,425	10	1	7
St. Louis.....	Duluth.....	19 public and normal.....	7,618	.....	4	.....
Stearns.....	St. Cloud.....	6 public and normal.....	1,374	.....	.....	.....
Do.....	do.....	State reformatory.....	468	.....	.....	1
Steele.....	Owatonna.....	State public.....	255	.....	.....	.....
Washington.....	Stillwater.....	State prison.....	869	2	.....	5
Winona.....	Winona.....	6 public and normal.....	1,603	.....	.....	.....
Do.....	do.....	5 parochial.....	1,306	.....	.....	.....
Total.....	.....	.....	39,264	24	22	18

¹ Three in family of an uninfected girl attending school.

Only 9 cases of active trachoma were found among the 35,229 school children examined during this survey, and these were confined to 6 of the 18 counties visited. It seemed reasonable to conclude that trachoma, while present, was not alarmingly prevalent in the general white population of the State except in the mining region.

The Trachoma Survey of 1918.

Itasca County.—At the request of and in cooperation with the State Board of Health, a trachoma survey of Itasca County, Minn., was made by Dr. L. L. Culp, representing the United States Office of Indian Affairs, assisted by Dr. W. P. Greene, epidemiologist of the Minnesota State Board of Health, during the summer of 1918. In the course of this survey, 2,346 persons were examined, of whom approximately 20 per cent were white, representing about 10 per cent of the total white population of the county. The Indians

examined comprised about 30 per cent of the Indian population. Practically all of these Indians dwell in the southwestern section of the county. The results of this survey are as follows:

TABLE X.—Results of the 1918 survey.

	Whites.	Indians.
Number examined, not in school.....	60	154
Trachoma cases found.....	3	17
Suspected trachoma cases found.....	1	2
Cases of follicular conjunctivitis found.....	1	0
Number examined, in school.....	2,071	61
Trachoma cases found.....	4	12
Suspected trachoma cases found.....	2	3
Cases of follicular conjunctivitis found.....	25	1
Total number examined.....	2,131	215
Total cases of trachoma found.....	7	29
Total suspected cases of trachoma found.....	3	5
Per cent of cases in number examined (including suspects).....	.51	13.34

Number of localities visited, 38; number in which Indians were found, 14.

Number of town schools visited, 12; number in which Indians were found, 2.

Number of country schools visited, 13; number in which Indians were found, 6.

Total number of persons examined, 2,346; trachoma cases found, 36; per cent of number examined, 1.31.

Koochiching and St. Louis Counties.—In August, 1918, Doctors Culp and Greene examined 148 of a total Indian population of 300 of the Nett Lake Agency at Pelican Point, Koochiching and St. Louis Counties, and found 2 positive cases and 1 suspected case of trachoma.

The Present Status of Trachoma in Minnesota.

TRACHOMA SURVEY OF DECEMBER 4–22, 1922.

Mindful of trachoma as a factor to be reckoned with in the prevention of blindness, and in further consideration of the potential increase in the number of children compelled to attend sight-saving classes because of the visual damage so common to this disease, should its spread remain unchecked, the State Board of Health determined to make a new survey to include a part of the territory covered by previous investigations and secure, for the purposes of the governor's commission, more recent information regarding the prevalence of trachoma in the State.

On request of the Board, two Federal medical officers, representing the United States Public Health Service and the United States Office of Indian Affairs, respectively, cooperated with the State Board of Health in this investigation. Since both of these officers participated in the former surveys here reported, the same standards of examination and diagnosis obtained in this as in previous investigations, and the results are, therefore, comparable.

Owing to the short time intervening before the Commission for the Blind was required to report, the period of the survey was necessarily brief, December 4–22, 1922. However, it is felt that the territory covered by the survey and the number of examinations made are representative.

General results.—In the course of this survey, 104 schools (in 11 counties) were visited, and 13,157 white children and 762 Indians were examined for trachoma. Among these the ratio of positive trachoma cases observed was 1 to 18 for the Indian and 1 to 387 for the white children (see appendix, résumé of Table I). Of the cases of suspected trachoma, the ratio was 1 to 152 for the Indians and 1 to 692 for the whites, respectively. In this, as in previous surveys, the greatest amount of trachoma was observed among the Indian population, and in the public schools on the Cuyuna and Mesaba Iron Ranges (see appendix, Table II).

Trachoma in the public schools in the vicinity of Indian reservations.—Owing to the inclemency of the weather at the time of this survey, and the necessity for haste, no house-to-house canvass of the Indian population, as was made in previous surveys, was attempted, the investigation to determine the prevalence of trachoma among the Indian population and the danger of its spread to the white people being limited to the examination of children in schools attended by both races.

The results of this survey show very clearly the continued menace of the Indian population to the visual health of the State. Moreover, the danger of spread of trachoma by the Indian seems to be increasing by reason of the increasing opportunity of the two races for contact, especially in the schools. In fact, this survey shows a very material increase in the number of Indian children attending public schools that are attended also by white children. In 1912 the ratio of Indian to white children examined in the public schools in Becker, Cass, and Mahnomen Counties was 1 to 18. In 1922 the ratio in 15 schools visited in Becker, Beltrami, Cass, and Mahnomen Counties was approximately 1 to 3. Furthermore, in 1912, 3.8 per cent of the Indian children examined in the public schools in the vicinity of Indian reservations were trachomatous, whereas in 1922 6.3 per cent of them were found infected (see appendix, Tables III, IV, V, and X, and Table VI, pp. 398, 399 and 401).

The territory adjacent to Mille Lacs formerly harbored a much greater number of Indians than now, but even here, as revealed by this survey, the opportunity for contact of the two races in the schools is not negligible. No trachoma was found among the few Indians examined in this region during this survey, but 4 positive cases and 2 suspected cases of trachoma were found among 837 children examined in the schools surrounding Mille Lacs (see appendix, Table XI). It is a reasonable supposition that trachoma has existed in this section for a number of years, and the probability is strong that the original nidus of the infection was the Indian population, as is apparently the case in the other communities contiguous to Indian reservations reported above. In fact, in 1912, 2.24 per cent of the Indians examined in this region were suffering with active trachoma.

In the public school at Sawyer, located about 12 miles from Cloquet, 33 Indian and 39 white children were examined, and 3 Indian children and 1 white child were found to have trachoma (see appendix, Table VI). Furthermore, as forecasted by the survey of 1912 and 1913, trachoma was found to have spread to the Nett Lake Reservation, where previously no trachoma had been observed (see appendix, Table XIII).

Trachoma in the public schools of the iron ranges.—Owing to the winter season, the mines had closed down and no opportunity was afforded for the examination of individual miners during this investigation. However, a total of 4,712 white school children were examined in St. Louis County, 2,475 boys and 2,237 girls, and 10 positive cases and 1 suspected case of trachoma were observed among the boys, and 8 positive and 4 suspected cases among the girls, or approximately 0.4 per cent of the total number examined (see appendix, Table XIII).

In 1912 there were examined 4,585 children in the public schools at Biwabik, Chisholm, Eveleth, Gilbert, and Hibbing. Of this number, 7, or 0.15 per cent, had trachoma. In the course of the present survey 2,800 school children were examined at these same locations, and 12 cases of trachoma, or 0.43 per cent of the total examined, were found.

Considered as a whole, there is at present more trachoma among the school children of the Mesaba Range than there was in 1912.

On the Cuyuna Range, 4 positive cases of trachoma and 2 suspected cases were found on the examination of 770 children in 5 schools. It is pleasing to note that no cases were found in the near-by school at Crosby where 394 children were examined (see appendix, Table VII). However, owing to the existence of foci of infection so close by, it is highly probable that in time this disease will make its appearance in the schools at Crosby unless the necessary steps be taken for the control of trachoma on this range.

Trachoma in the general school population.—The results of this survey tend to confirm the findings of previous investigations that there is no unusual trachoma problem in Minnesota outside of certain fairly well-defined districts.

No trachoma was found on the examination of 617 school children in 8 schools in Aitkin County.

At Cloquet, in Carlton County, the 1,243 children, including 18 Indians, examined in the parochial and public schools were all free from trachoma. However, as stated elsewhere in this report, cases of the disease were observed in the public school at Sawyer, in Carlton County, which is attended by both Indian and white children in nearly equal numbers.

In Crow Wing County no trachoma was found in the schools visited, except in those of the range towns and at Nokay Lake in the Mille Lacs region.

Trachoma is still found in Dakota County at South St. Paul, where cases were also observed in the survey made in 1913. In the present survey, 1 positive and 1 suspected case of trachoma were observed among 804 children in the second to sixth grades, both inclusive. It is very evident, therefore, that a focus of infection which is not yet under control has been existing at this point for a number of years.

Trachoma in State institutions.—A total of 1,319 inmates of 3 State institutions at Faribault were examined for trachoma, 81 in the school for the blind, 1,012 in the school for the feeble-minded, and 226 in the school for the deaf (see appendix, Table XII).

No trachoma was found among the pupils of the school for the deaf. However, 1 positive and 1 suspected case of trachoma were observed in the school for the blind, and 6 positive and 3 suspected cases in the school for feeble-minded. The total number of pupils examined in this latter institution at the time of this survey was proportionately less than that examined at the time of the previous survey, in 1913, when 10 positive cases and 1 suspected case were noted. It is believed that a more detailed survey than was possible on this occasion (owing to the lack of time) would reveal still other cases. The results of this examination at the school for feeble-minded indicate that trachoma has continued to exist in this institution since the time of the previous survey, and point to the adoption of stringent measures for its elimination.

Conclusions.

The investigations just completed tend to confirm the conclusions and fulfill the prophecy in regard to the prevalence and future spread of trachoma based on the investigations of 1912 and 1913. They are as applicable to the present situation as then. These conclusions, in part, are quoted below, each followed by appropriate comment based on an analysis of the present study.

1. "Trachoma is unduly prevalent among the Indians of Minnesota."

An undue percentage of the Indians attending the public schools are afflicted with this disease, pointing to a rather heavy infection among the general Indian population.

2. "There is a possibility that the Indians of the northeastern section of the State may become infected through association with infected districts, with improvement of facilities for intercommunication."

Although no trachoma was observed at the Nett Lake Reservation at the time of the original surveys, the disease was observed among

the Indians of this section at the time of the survey made by the State Board of Health in 1918 and also during the present investigation, 1922. It is very evident, therefore, that not only did trachoma gain entry to this population as predicted, but it has continued to exist therein for a period of four years.

3. "The heavily infected Indian reservations are a threatened source of danger to the public health of the State."

This is evidenced by the increased number of cases of trachoma observed in the course of this survey among the Indians attending the public schools contiguous to Indian reservations.

4. "The Indian is coming into closer contact with the white population with increased opportunity for the spread of trachoma through improvement in lines of communication, the purchase and settlement of allotted Indian lands by white settlers, and the organization of counties within the boundaries of Indian reservations."

With but one exception the former Indian reservations within the State have been incorporated into and become an integral part of county organizations. The larger provision of school facilities and the extension of good roads to these districts in recent years have greatly multiplied the opportunities for contact between the two races.

5. "Children of mixed parentage are attending the public schools contiguous to reservations in considerable numbers."

In the course of this investigation the percentage of Indians found attending the public schools is practically double that observed during the earlier investigations.

6. "The Federal Government will sooner or later relinquish its guardianship of the Indian; therefore conditions of health reducing his future economic usefulness is a matter of present concern to the State authorities."

Only the Indians of the Red Lake Reservation are now wards of the Government. The responsibility for the control of infection among the former wards of the Government now rests with the State.

7. "More trachoma is found in the public schools of the Mesaba Range than among the white pupils of the public schools contiguous to Indian reservations; there is, therefore, greater danger of the disease spreading from this source at present than from Indian reservations."

While this survey revealed a higher percentage of trachoma in the public schools of the mining sections of the State than among the white children attending mixed schools, nevertheless the increased number of infected Indian children and the growing number of Indian children attending the public schools also attended by white children, as shown by this survey, indicate that in the near future the situation will be reversed unless proper control measures are instituted.

8. "The trachoma situation in the mining region of the State is a pressing public health problem demanding immediate solution."

The results of the present survey confirm this conclusion in the most emphatic manner. Trachoma has increased in the schools on the Mesaba Range from 0.15 per cent in 1912 to 0.43 per cent in 1922.

9. "Trachoma is not prevalent to an alarming degree in the State of Minnesota outside the Indian reservations and the mining region."

Although this survey was not as extensive as that made in 1913, and was confined in large part to the investigation of trachoma in the schools of the mining sections of the State and in the mixed schools contiguous to Indian reservations or former reservations, still the relatively large number of children attending other schools examined lends strong support to the belief that very little trachoma will be found in the State outside of fairly circumscribed localities and certain State institutions.

Recommendations.

The following recommendations based on the results of the present survey are, in a large part, similar to those previously made in the report of the original survey, changed only to conform to the additional information now available relating to the trachoma situation in the State and to a better knowledge of the methods of control. They relate in part to education and investigation, and in part to treatment.

1. An educational campaign should be inaugurated properly to inform the citizens of the State of the injurious effect of trachoma on vision, its curability, and the methods of prevention and control.

2. The regulations of the State Board of Health mandatorily requiring notification of trachoma should be more strictly enforced, and a strong attempt should be made to enlist the cooperation of the physicians of infected districts in detecting existing cases and in eliminating foci of infection.

3. A detailed trachoma survey of the entire Indian population of the State should be made, including isolated Indian bands, for the purpose of locating every infected Indian within the State, with the view of securing proper care of and attention to individual cases and of preventing the further spread of the disease.

4. A careful examination should be made of every child enrolled in the public schools contiguous to the Indian reservation and in those at the different mining locations in the State, and the name and address of every infected child should be recorded and notified to the State Board of Health for such action as may be necessary for the ultimate elimination of this disease from the school population and the homes of these districts.

5. A complete examination of the eyes of every inmate confined in or attending a State institution should be made to detect cases of trachoma for the purpose of insuring prompt and adequate treatment.

6. A mobile trachoma unit should be organized at State expense and authorized to travel to infected points for the purpose of giving necessary treatment and familiarizing the local physicians with the most recent and effective methods of cure.

7. Arrangements should be perfected whereby certain hospitals located at strategic points, from the standpoint of trachoma prevalence, may be utilized, at State expense when necessary, for the hospitalization of infected cases requiring hospital treatment occurring in the white population.

8. In order more effectively to eliminate trachoma in the district formerly comprising the White Earth Indian Reservation, a hospital should be operated by the State at some readily accessible point in this district for the proper management of all trachoma cases found among the former wards of the Government.

9. A cooperative arrangement should be entered into with the United States Office of Indian Affairs for the purpose of enforcing measures necessary for the control of trachoma among that portion of the Indian population of the State remaining under Government guardianship; otherwise, owing to improved facilities for intercommunication, the elimination from the nonreservation population will be greatly complicated, if not impossible.

APPENDIX.

Tabulated Report on Trachoma Survey in Minnesota, December 4-22, 1922.

By TALLIAFERRO CLARK, Surgeon, United States Public Health Service, and L. L. CULP, M. D., Office of Indian Affairs, cooperating with the Minnesota State Board of Health.

TABLE I.—Summary of the survey.

County.	Sanitary district.	Schools.	Number examined.		Cases.				Suspects.				Total.		
					Indian.		White.		Indian.		White.				
			Indian.	White.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Indian.	White.	
9 COUNTIES.															
Aitkin.....	6	8	617	0	3	0	0	0	0	0	0	0	0	0	1
Carlton.....	2	5	51	0	0	0	1	0	0	0	0	0	3	1	0
Crow Wing.....	11	12	1,243	0	2	2	3	0	0	0	0	1	3	5	4
Dakota.....	1	3	791	0	1	0	0	0	0	0	0	1	1	1	1
Iasca.....	5	6	1,004	0	0	0	0	0	0	0	0	0	3	0	3
St. Louis.....	9	12	825	0	0	1	2	0	0	0	0	1	0	3	0
St. Louis and Koochiching, Nett Lake Reservation.....	17	34	4,712	0	9	9	8	0	0	0	0	1	4	17	5
11 families, Nett Lake Reservation.....	1	1	35	0	0	0	0	0	0	0	0	0	0	0	0
Rice, 3 State Institutions.....	1	3	1,319	1	0	1	6	0	0	0	1	3	7	0	4
Total.....	53	184	127,003	1	3	14	20	0	0	0	4	15	4	34	0
															19

4 COUNTIES:¹

Becker.....	5	6	298	135	3	10	0	0	0	1	1	0	0	0	13	0	2	0
Beltrami.....	2	2	11	12	0	1	0	0	0	0	0	0	0	0	1	0	0	0
Cass.....	0	7	140	519	7	16	0	0	0	2	0	0	0	0	23	0	2	0
Mahnomen.....	5	5	186	488	1	0	0	0	0	0	1	0	0	0	1	0	1	0
Total.....	18	20	635	1,154	11	27	0	0	0	3	2	0	0	0	38	0	5	0
Grand total.....	71	104	762	13,137	12	30	14	20	3	2	4	15	42	34	5	19		

¹ Includes 1 Indian school in Mille Lacs County, 1 on Nett Lake Indian Reservation, and 2 public schools and 1 parochial school in Carlton County attended by Indians and whites; 3 State institutions and 32 Indians not in school on Nett Lake Reservation. Examined by Dr. T. Clark.

² All schools examined are attended by Indians and whites. Examined by Dr. L. L. Culp.

Résumé.

	Indian.		White. ¹		Total.	
	Number.	Ratio.	Number.	Ratio.	Number.	Ratio.
Examined.....	762	1 to 18	13,137	1 to 387	13,919	1 to 183
Trachoma cases.....	42	1 to 18	34	1 to 387	76	1 to 183
Suspected cases.....	5	1 to 152	19	1 to 692	24	1 to 589
Trachoma and suspected cases.....	47	1 to 16	53	1 to 248	100	1 to 139

¹ Of the total white persons examined on Mesaba Range, 1 out of 214 had trachoma or suspected trachoma.

SUMMARY BY COUNTIES.

TABLE II.—Survey of public schools in Aitkin County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
			Boys.	Girls.	Boys.	Girls.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Aitkin Village.....	Consolidated.....	12	193	216	176	191	0	0	0	0
Aitkin Township.....	Pine Knoll.....	1	4	6	4	6	0	0	0	0
Kimberly Township.....	Longfellow, No. 9.....	1	11	8	10	8	0	0	0	0
Do.....	District No. 8.....	2	33	23	20	18	0	0	0	0
Libby Township.....	Libby, district No. 1.....	1	2	2	2	2	0	0	0	0
McGregor Village.....	Public.....	4	53	47	50	44	0	0	1	0
Workman Township.....	Rat Lake, district No. 50.....	2	30	26	29	25	0	0	0	0
Do.....	Adams, district No. 27.....	2	22	12	20	12	0	0	0	0
Total (sanitary districts, 6).	(Schools, 8).....	25	348	340	311	306	0	0	1	0

¹ By Doctor Clark.² No Indian cases.TABLE III.—Survey of public schools and Indian enrollment in Becker County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ²			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Calloway Village.....	Public.....	4	19	73	19	67	1	0	0	1
Carsonville Township.....	Ponsford.....	2	77	0	60	0	0	3	0	0
Ogema Village.....	Public.....	4	29	79	17	63	0	0	1	0
T. 146, R. 31.....	Bungo, No. 125.....	1	13	17	11	0	0	0	0	0
White Earth Township.....	St. Benedict's Mission.....	1	124	0	124	0	1	6	0	0
Do.....	Wilson, No. 112.....	4	109	13	67	5	1	1	0	0
Total (sanitary districts, 5).	(Schools, 6).....	16	371	182	298	135	3	10	1	1

¹ By Doctor Culp.² No cases among whites.TABLE IV.—Survey of public schools and Indian enrollment in Beltrami County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ²			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Unorganized, T. 146, R. 31.....	Cass Lake Mission.....	1	29	1	8	1	0	0	0	0
Unorganized, T. 146, R. 31, No. 14.....	Buck Lake.....	1	10	12	3	11	0	1	0	0
Total (sanitary districts, 2).	(Schools, 2).....	2	39	13	11	12	0	1	0	0

¹ By Doctor Culp.² No cases among whites.

TABLE V.—Survey of public schools and Indian enrollment in Cass County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ²			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Cass Lake village.....	Public.....	8	68	494	47	391	0	0	2	0
Federal Dam village.....	do.....	4	11	89	11	84	0	3	0	0
Pine Lake Township.....	Pine Lake.....	1	6	12	5	11	3	1	0	0
Do.....	Bow.....	1	5	20	5	15	0	0	0	0
Shingobee Township.....	Onigum.....	3	77	2	63	2	3	12	0	0
Turtle Lake Township.....	Evenson.....	1	7	13	2	16	1	0	0	0
Gould Township.....	Sugar Point.....	1	16	4	7	0	0	0	0	0
Total (sanitary districts, 6).	(Schools, 7).....	19	190	634	140	519	7	16	2	0

¹ By Doctor Culp.² No cases among whites.TABLE VI.—Survey of public schools and Indian enrollment in Carlton County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
			Boys.	Girls.	Boys.	Girls.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Cloquet city.....	Central and high.....	13	175	158	188	165	0	0	0	0
Do.....	Garfield.....	8	181	137	171	130	0	0	0	0
Total (sanitary district, 1).	(Schools, 2).....	21	356	295	359	295	0	0	0	0

SCHOOLS—INDIAN ENROLLMENT.

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians.				Whites.			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.		Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Cloquet City.....	Leach.....	7	27	254	13	224	0	0	0	0	0	0	0	0
Do.....	Parochial.....	9	8	349	5	326	0	0	0	0	0	0	0	0
Sawyer village.....	Public.....	2	33	52	33	39	0	3	0	0	0	1	0	0
Total (sanitary districts, 2).	(Schools, 3).....	18	68	655	51	589	0	3	0	0	0	1	0	0

¹ By Doctor Clark.² No Indian cases.

TABLE VII.—Survey of public schools in Crow Wing County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
							Positive.		Suspects.	
			Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Bay Lake Township.....	District No. 44.....	1	9	10	8	10	0	0	0	0
Crosby village.....	Franklin.....	13	234	230	199	195	0	0	0	0
Cuyuna village.....	District No. 104.....	4	53	39	32	39	1	0	0	1
Deerwood village.....	Public.....	5	66	72	58	67	0	0	0	0
Garrison Township.....	Borden Lake, District No. 2.....	1	14	5	13	5	0	0	0	0
Ironton Township.....	Jefferson, No. 51.....	2	22	27	22	26	0	0	0	0
Ironton village.....	Public.....	11	218	184	187	156	0	2	0	1
Do.....	Consolidated junior high.....	10	102	175	102	171	1	0	0	0
Manganese village.....	District No. 86.....	1	11	21	11	11	0	0	0	0
Nokay Lake Township.....	District No. 17.....	1	14	11	7	5	0	1	1	0
Riverton village.....	Roosevelt.....	5	72	62	50	57	0	0	0	0
Trommald village.....	District No. 110.....	2	23	33	18	23	0	0	0	1
Total (sanitary districts, 11).	(Schools, 12).....	56	838	869	727	765	2	3	1	3

¹ By Doctor Clark.² No Indian cases.TABLE VIII.—Survey of public schools at South St. Paul, Dakota County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
							Positive.		Suspects.	
			Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
South St. Paul City.....	Central.....	11	191	197	170	175	0	0	0	0
Do.....	Roosevelt.....	7	131	112	127	105	1	0	0	0
Do.....	Washington.....	8	108	119	102	112	0	0	0	1
Total (sanitary district, 1).	(Schools, 3).....	26	430	428	399	392	1	0	0	1

¹ By Doctor Clark.² No Indian cases.TABLE IX.—Survey of public schools in Itasca County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
							Positive.		Suspects.	
			Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
Bovey Village.....	Public.....	5	81	86	46	81	0	0	0	0
Cohasset Village.....	Consolidated.....	5	87	102	64	83	0	0	0	0
Grand Rapids Village.....	Central.....	154	146	133	116	0	0	0	0	0
Do.....	Forest Lake.....	6	94	90	78	80	0	0	0	0
Keewatin Village.....	Public.....	6	62	86	60	84	0	0	0	1
Nashwauck Village.....	do.....	7	90	103	85	94	0	0	0	2
(Total sanitary districts, 5).	(Schools, 6).....	35	568	613	466	538	0	0	0	3

¹ By Doctor Clark.² No Indian cases.

TABLE X.—Survey of public schools and Indian enrollment in Mahanomen County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ²			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Beaulieu Township.....	Beaulieu.....	1	23	3	17	1	1	0	0	0
Mahanomen Village.....	Public.....	9	91	347	65	290	0	0	0	0
Rosedale Township.....	Flowing Well, Dist. No. 3.	1	24	13	11	11	0	0	0	0
Twin Lakes Township.....	Twin Lakes.....	2	68	3	36	3	0	0	0	0
Waubun Village.....	P. O. Nay-tah-waush, public.	9	58	215	57	183	0	0	0	1
Total (sanitary districts, 5).	(Schools, 5).....	22	264	581	186	488	1	0	0	1

¹ By Doctor Culp.² No cases among whites.TABLE XI.—Survey of public schools in Mille Lacs County.¹

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Whites. ²			
			Boys.	Girls.	Boys.	Girls.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
East Lake Township....	Central, District No. 15....	1	9	13	8	11	0	0	0	0
Do.....	North, District No. 15....	1	12	7	6	3	0	0	0	0
Do.....	Opstead Junior High....	1	5	8	4	7	0	0	0	0
Isle Village.....	Public.....	4	57	50	54	47	0	1	0	0
Kathio Township.....	Stein, District No. 16....	1	10	8	9	7	0	0	0	0
Milaca Village.....	Public.....	9	163	160	145	141	0	1	0	0
Onamia Village.....	Indian, District No. 34....	5	89	68	61	49	0	0	0	0
Onamia Township.....	District No. 40.....	1	12	11	10	8	0	0	0	0
Page Township.....	Whitney Brooks, District No. 43.	2	24	20	22	15	0	0	0	0
South Harbor Township	Cove, No. 17.....	4	58	46	49	42	0	0	0	0
Waukon Village.....	Consolidated.....	5	73	56	73	54	1	0	0	1
Total (sanitary districts, 9).	(Schools, 11).....	34	512	447	441	384	1	2	0	1

SCHOOLS—INDIAN ENROLLMENT.

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ²			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Kathio Township.....	Vineland settlement.....	1	32	0	9	0	0	0	0	0
Total (sanitary district, 1).	(School, 1).....	1	32	0	9	0	0	0	0	0

¹ By Doctor Clark.² No Indian cases.³ No cases among whites.

TABLE XII.—*Summary of survey of State schools at Faribault, Rice County.¹*

Sanitary district.	Number of institutions.	Number examined.		Whites. ²			
		Boys.	Girls.	Positive.		Suspects.	
				Boys.	Girls.	Boys.	Girls.
Faribault City.....	3	483	836	1	6	1	3

¹ By Doctor Clark.² No Indian cases.TABLE XIII.—*Survey of public schools in St. Louis County.¹*

Sanitary district.	School.	Number of rooms	Number enrolled.		Number examined.		Whites. ²			
			Boys.	Girls.	Boys.	Girls.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Aurora city.....	Hearding.....	8	122	110	116	103	0	0	0	0
Do.....	Johnson.....	11	174	138	161	123	1	0	0	1
Do.....	Meadow.....	2	36	18	29	12	0	0	0	0
Do.....	Mohawk.....	2	16	30	15	19	0	0	0	0
Bitwabik village.....	Horace Mann and high.....	9	115	139	163	201	1	3	0	0
Do.....	Washington.....	8	92	111	90	102	0	1	0	0
Bitwabik Township.....	Hutter.....	5	53	50	50	35	0	0	1	0
Buhl village.....	Washington.....	3	47	48	46	45	2	0	0	0
Do.....	High.....	3	45	36	43	36	0	0	0	0
Chisholm village.....	Washington.....	15	263	234	260	221	2	1	0	0
Eveleth city.....	Adams.....	2	31	33	29	31	0	0	0	0
Do.....	Fayal.....	6	95	88	95	87	0	0	0	0
Do.....	Franklin.....	13	183	186	169	175	0	0	0	0
Do.....	Lincoln.....	12	182	178	177	165	0	0	0	0
Do.....	Spruce.....	5	80	63	77	60	0	0	0	0
Gilbert village.....	Gilbert.....	9	121	108	118	103	0	0	0	0
Do.....	Gil-Minn.....	5	65	59	62	57	0	0	0	0
Do.....	Schley.....	3	34	41	33	40	2	1	0	0
Hibbing village.....	Cobb-Cook.....	9	168	114	92	101	0	0	0	1
Do.....	Subnormal.....	4	36	18	27	13	0	1	0	0
Do.....	High.....	7	90	86	84	75	0	0	0	1
Kinney village.....	Public.....	3	42	35	42	34	0	0	0	0
Leiding Township.....	District No. 59.....	1	13	9	13	9	0	0	0	0
Do.....	District No. 82.....	1	9	4	9	4	1	0	0	0
McKinley village.....	Sigurd Moe.....	8	92	71	91	69	0	0	0	0
Missabe Mountain Township.....	Elba.....	7	104	92	99	83	0	0	0	0
Do.....	Genoa.....	7	54	52	52	50	0	0	0	0
Do.....	Malta.....	4	46	38	46	38	0	0	0	0
Do.....	Mesaba, No. 10.....	2	9	16	5	10	0	0	0	0
Spina village.....	Hartley.....	5	85	65	74	63	0	0	0	0
Stuntz Township.....	Kitzville.....	4	47	25	57	27	0	0	0	1
White Township.....	Bangor, District No. 24.....	3	30	23	30	23	0	1	0	0
T. 57 N., R. 16 W., sec. 28.....	St. Louis River.....	1	13	14	12	14	0	0	0	0
T. 63, R. 19.....	District 116A.....	1	11	12	9	11	0	0	0	0
Total (sanitary districts, 17).....	(Schools, 34).....	188	2,543	2,344	2,475	2,237	9	8	1	4

¹ By Doctor Clark.² No Indian cases.

TABLE XIII.—Survey of public schools in St. Louis County—Continued.

ST. LOUIS AND KOCHICHING COUNTIES.

SCHOOLS—INDIAN ENROLLMENT.

Sanitary district.	School.	Number of rooms.	Number enrolled.		Number examined.		Indians. ³			
			Indians.	Whites.	Indians.	Whites.	Positive.		Suspects.	
							Boys.	Girls.	Boys.	Girls.
Reservation, unorganized, T. 65, R. 21 (St. L.), T. 65, R. 22 (K.).	Nett Lake.....	2	42	0	35	0	0	0	0	0
Reservation investigation.	(*).....				32	0	1	0	0	0
Total.....					67	0	1	0	0	0

³ No cases among whites.⁴ 11 families (children not in school).

INFLUENZA IN THE UNITED STATES.

CASES REPORTED BY STATES FOR THE WEEK ENDED FEBRUARY 24, 1923.

The following table shows the number of cases of influenza reported by State health officers, by telegraph, for the week ended February 24, 1923, compared with similar reports for the corresponding week of 1922, 1921, and 1920.

Cases of influenza reported by State health officers for the week ended February 24, 1923, and corresponding week of the years 1922, 1921, and 1920.

Division and State.	Week ended—			
	Feb. 24, 1923.	Feb. 25, 1922.	Feb. 26, 1921.	Feb. 28, 1920.
New England Division:				
Maine.....	166	441	1	2,134
Massachusetts.....	193	1,285		2,375
Vermont.....	1	1	3	1,071
Connecticut.....	693	675	18	1,183
Middle Atlantic Division:				
New York (Exclusive of N. Y. City).....	1,418	1,568	44	5,330
New York City.....	2,684	1,312	102	1,069
New Jersey.....	421	918	51	1,043
East North Central Division:				
Indiana.....	143			2,038
Illinois.....	715	1,069	23	3,062
Wisconsin.....	1,706	73	62	3,131
West North Central Division:				
Minnesota.....	26	44	4	1,447
Missouri.....	547	313	22	1,649
South Dakota.....	0			2,492
Nebraska.....	247	161	5	2,492
Kansas.....	746	901	12	3,590
South Atlantic Division:				
Delaware.....	20	9	20	36
Maryland.....	2,620	431	279	3,184
District of Columbia.....	16	7	1	36
West Virginia.....	179	82		780
Georgia.....	82	162	8	8,210
Florida.....	14	118	4	1,026
East South Central Division:				
Kentucky.....		748	28	8,584
Alabama.....	281	20		3,603
Mississippi.....	740			2,475

Cases of influenza reported by State health officers for the week ended February 24, 1923, and corresponding week of the years 1922, 1921, and 1920—Continued.

Division and State.	Week ended—			
	Feb. 21, 1923.	Feb. 25, 1922.	Feb. 26, 1921.	Feb. 28, 1920.
West South Central Division:				
Arkansas.....	593	202	94	1,690
Louisiana.....	841	368		3,363
Texas.....	162	76	39	588
Mountain Division:				
Montana.....		188		348
Colorado (Exclusive of Denver).....	28	12		
New Mexico.....	48	92	5	204
Pacific Division:				
Washington.....		360		1,559
Oregon.....	75	616		1,495
California.....	1177	10,033	194	5,527

¹ 5 days only.

ORDINANCE REQUIRING HEALTH CERTIFICATES OF PERSONS WORKING IN FOOD ESTABLISHMENTS UPHELD.

In a habeas corpus proceeding¹ the Court of Criminal Appeals of Texas has held valid an ordinance of the city of Dallas requiring of any person who works in a food establishment a health certificate showing that such person has been examined by a reputable physician and found free from any communicable disease. The ordinance made proprietors of food establishments subject to the medical examination, and the person who sought the writ of habeas corpus was the proprietor of a meat market who had been convicted for having worked in the establishment without having a health certificate.

HEALTH FILMS RECENTLY ISSUED BY THE NATIONAL HEALTH COUNCIL.

In view of the fact that the United States Public Health Service is unable to meet the demands made upon it for films on health subjects, it will be of interest to health workers to learn that the National Health Council has recently prepared and published a comprehensive list of educational health films.

More than 300 titles are included in the list, which gives, in addition to the title, the number of reels, or the length of the film; the name of the distributor; the rental or sale price, or both; and a brief note about the subject matter of the film. The titles are classified under Child hygiene, Personal hygiene, Public hygiene, Communicable diseases, Other diseases, Nursing, Anatomy and Physiology, etc., and Miscellaneous. The film list will be sent to any

¹ *Ex parte* Vaughan, 246 S. W. 373.

person or institution interested in motion pictures on health subjects, but it is intended especially for public health workers, connected with official and voluntary agencies. A charge of 35 cents a copy is made for the list in order to cover part of the cost of preparing it.

The development of educational health material is one of the important activities of the National Health Council, which is an organization composed of the leading national voluntary health agencies of the country and having for its aim the interrelation of the work of those agencies for the betterment of health work in the United States. In addition to the collection of information concerning health films, the National Health Council, through the health films committee, is making a study of existing films and is encouraging in numerous ways the production of better health films. The health films committee has already reviewed and analyzed six motion pictures on health subjects and has offered to the producers of these films suggestions as to how the films might be improved. Numerous other films are scheduled for study by especially selected subcommittees.

In general it is the purpose of the committee on health films of the National Health Council to encourage the wider use of the best health films and to stimulate the production of better motion pictures on health subjects.

The published list and other information may be secured by addressing the National Health Council, 370 Seventh Avenue, New York City.

DEATHS DURING WEEK ENDED FEBRUARY 17, 1923.

Summary of information received by telegraph from industrial insurance companies for week ended February 17, 1923, and corresponding week of 1922. (From the Weekly Health Index, February 20, 1923, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Feb. 17, 1923.	Corresponding week, 1922.
Policies in force.....	51, 498, 269	48, 386, 013
Number of death claims.....	11, 153	8, 862
Death claims per 1,000 policies in force, annual rate.....	11.3	9.6

Deaths from all causes in certain large cities of the United States during the week ended February 17, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, February 20, 1923, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1923.	Week ended Feb. 17, 1923.		Annual death rate per 1,000, corresponding week 1922.	Deaths under 1 year.		Infant mortality rate, week ended Feb. 17, 1923. ¹
		Total deaths.	Death rate. ²		Week ended Feb. 17, 1923.	Corresponding week 1922.	
Total.....	20,111,776	9,857	17.7	16.1	1,220	1,125	.....
Akron, Ohio.....	208,485	31	7.8	5.0	5	7	59
Albany, N. Y.....	117,375	58	25.8	22.9	4	7	88
Atlanta, Ga.....	222,903	73	17.1	18.2	14	11	.....
Baltimore, Md.....	773,580	316	21.3	17.6	41	33	121
Birmingham, Ala.....	195,901	42	11.2	13.1	5	9	.....
Boston, Mass.....	770,400	335	22.7	16.7	52	36	149
Bridgeport, Conn.....	143,555	41	14.9	12.7	4	4	55
Buffalo, N. Y.....	539,718	172	16.7	12.9	33	28	138
Cambridge, Mass.....	111,444	31	14.5	15.5	4	4	71
Camden, N. J.....	124,157	50	21.0	9.0	7	4	116
Chicago, Ill.....	2,853,288	870	16.0	12.0	146	91	.....
Cincinnati, Ohio.....	406,312	175	22.5	21.9	10	7	66
Cleveland, Ohio.....	877,992	243	14.4	11.7	44	32	121
Columbus, Ohio.....	261,082	122	24.4	16.0	14	9	145
Dallas, Tex.....	177,274	39	11.5	13.9	8	6	.....
Dayton, Ohio.....	165,530	50	15.8	10.3	7	4	115
Denver, Colo.....	272,031	107	20.5	15.6	14	6	.....
Detroit, Mich.....	993,678	305	16.0	12.8	66	57	112
Duluth, Minn.....	106,289	25	12.3	.....	3	.....	68
Erie, Pa.....	112,571	43	19.9	12.9	9	3	183
Fall River, Mass.....	120,912	36	15.5	12.5	10	10	142
Flint, Mich.....	117,968	43	19.0	.....	5	.....	99
Fort Worth, Tex.....	125,021	22	9.2	13.2	5	.....	.....
Grand Rapids, Mich.....	145,917	59	21.1	14.2	7	3	110
Houston, Tex.....	151,970	29	9.8	11.1	5	4	.....
Indianapolis, Ind.....	340,882	134	20.5	20.7	16	18	123
Jacksonville, Fla.....	100,046	32	16.7	13.4	5	5	.....
Jersey City, N. J.....	309,034	107	18.1	15.7	13	14	87
Kansas City, Kans.....	115,781	32	14.4	21.5	5	4	114
Kansas City, Mo.....	351,819	122	18.1	20.9	11	26	64
Los Angeles, Calif.....	666,853	224	17.5	17.4	17	16	.....
Louisville, Ky.....	257,671	119	24.1	18.5	19	5	205
Lowell, Mass.....	115,089	40	18.1	20.5	4	10	70
Lynn, Mass.....	102,683	29	14.7	.....	3	.....	79
Memphis, Tenn.....	170,067	63	19.3	21.4	6	16	.....
Milwaukee, Wis.....	484,595	159	17.1	10.9	29	20	144
Minneapolis, Minn.....	409,125	113	14.4	12.1	12	15	65
Nashville, Tenn.....	121,128	40	17.2	17.3	6	5	.....
New Bedford, Mass.....	130,072	32	12.8	18.4	9	9	134
New Haven, Conn.....	172,967	60	18.1	20.6	3	9	39
New Orleans, La.....	401,575	174	22.4	18.9	14	19	.....
New York, N. Y.....	5,927,625	1,991	17.5	17.7	207	247	83
Bronx Borough.....	840,544	274	17.0	14.8	20	18	70
Brooklyn Borough.....	2,155,887	652	15.8	17.3	68	83	72
Manhattan Borough.....	2,267,001	853	19.6	19.8	100	119	97
Queens Borough.....	535,844	159	15.5	14.0	16	21	86
Richmond Borough.....	127,549	53	21.7	19.7	3	6	55
Newark, N. J.....	438,699	153	18.2	19.2	17	24	80
Norfolk, Va.....	159,089	32	10.5	10.9	4	3	71
Oakland, Calif.....	240,086	66	14.3	15.4	4	5	51
Omaha, Nebr.....	204,382	65	16.6	17.9	10	15	108
Paterson, N. J.....	139,579	51	19.1	19.2	7	6	112
Philadelphia, Pa.....	1,922,788	700	19.0	16.1	73	72	95
Pittsburgh, Pa.....	4607,902	291	25.0	24.4	32	27	111
Portland, Oreg.....	273,621	70	13.3	13.9	8	1	81
Providence, R. I.....	242,378	107	23.0	19.0	15	13	122
Richmond, Va.....	181,044	73	21.0	19.3	5	3	61
Rochester, N. Y.....	317,867	103	16.9	12.1	8	8	63
St. Louis, Mo.....	803,853	276	17.9	16.7	25	21	.....
St. Paul, Minn.....	241,891	91	19.6	12.2	11	6	102
Salt Lake City, Utah.....	126,241	25	10.3	12.6	6	5	98

¹ Annual rate per 1,000 population.

² Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1922. Cities left blank are not in the registration area for births.

³ Enumerated population, Jan. 1, 1920.

⁴ Estimated population, July 1, 1922.

Deaths from all causes in certain large cities of the United States during the week ended February 17, 1923, infant mortality, annual death rate, and comparison with corresponding week of 1922. (From the Weekly Health Index, February 20, 1923, issued by the Bureau of the Census, Department of Commerce)—Continued.

City.	Estimated population July 1, 1923.	Week ended Feb. 17, 1923.		Annual death rate per 1,000, corresponding week 1922.	Deaths under 1 year.		Infant mortality rate, week ended Feb. 17, 1923.
		Total deaths.	Death rate.		Week ended Feb. 17, 1923.	Corresponding week 1922.	
San Antonio, Tex.	184,727	55	15.5	.....	9	.....	.....
San Francisco, Calif.	539,038	156	15.1	22.1	12	20	72
Seattle, Wash.	* 315,312	68	11.2	18.5	7	6	62
Spokane, Wash.	104,573	26	13.0	21.5	1	5	22
Springfield, Mass.	144,227	51	18.4	14.5	6	6	86
Syracuse, N. Y.	184,511	62	17.5	10.7	6	6	78
Tacoma, Wash.	104,731	25	12.8	.....	3	.....	75
Toledo, Ohio.	268,338	81	15.7	14.6	3	5	30
Trenton, N. J.	127,390	56	22.9	18.8	7	5	119
Washington, D. C.	* 437,571	213	25.4	18.5	27	24	154
Wilmington, Del.	117,728	45	19.9	16.7	7	3	142
Worcester, Mass.	191,927	67	18.2	15.2	7	4	79
Yonkers, N. Y.	107,520	29	14.1	22.3	2	8	43
Youngstown, Ohio.	* 132,358	32	12.6	12.6	7	5	95

* Enumerated population Jan. 1, 1920.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers.

Reports for Week Ended February 24, 1923.

ALABAMA.		CALIFORNIA—continued.	
	Cases.		Cases.
Chicken pox.....	26	Lethargic encephalitis:	
Diphtheria.....	14	Berkeley.....	1
Influenza.....	281	Sacramento.....	1
Malaria.....	13	San Francisco.....	1
Measles.....	72	Tulare County.....	1
Pellagra.....	4	Measles.....	315
Pneumonia.....	86	Poliomyelitis—Los Angeles County.....	1
Poliomyelitis.....	2	Scarlet fever.....	184
Scarlet fever.....	15	Smallpox:	
Smallpox.....	4	Oakland.....	8
Tuberculosis.....	41	Scattering.....	10
Typhoid fever.....	14	Typhoid fever.....	6
Whooping cough.....	62		
ARKANSAS.		COLORADO.	
	Cases.	(Exclusive of Denver.)	
Chicken pox.....	14	Chicken pox.....	24
Diphtheria.....	7	Diphtheria.....	4
Influenza.....	593	Influenza.....	28
Malaria.....	9	Pneumonia.....	6
Measles.....	57	Scarlet fever.....	35
Mumps.....	2	Septic sore throat.....	1
Paratyphoid fever.....	4	Smallpox.....	1
Scarlet fever.....	5	Tuberculosis.....	3
Smallpox.....	6	Typhoid fever.....	1
Trachoma.....	2	Whooping cough.....	18
Tuberculosis.....	5		
Typhoid fever.....	6		
Whooping cough.....	11		
CALIFORNIA.		CONNECTICUT.	
	Cases.		Cases.
Botulism—Glendale.....	1	Chicken pox.....	67
Cerebrospinal meningitis:		Diphtheria.....	48
Fresno.....	1	Dysentery (amebic).....	1
Lompoc.....	1	German measles.....	2
Sacramento.....	1	Influenza.....	693
Diphtheria.....	156	Lethargic encephalitis.....	13
Influenza.....	1,177	Measles.....	300
Jaundice—Los Angeles.....	1	Mumps.....	153
		Pneumonia (lobar).....	67
		Scarlet fever.....	88

CONNECTICUT—continued.		INDIANA.	
	Cases.		Cases.
Smallpox.....	3	Diphtheria.....	68
Tuberculosis (all forms).....	24	Influenza.....	143
Whooping cough.....	48	Measles.....	166
DELAWARE.		Pneumonia.....	17
Chicken pox.....	1	Poliomyelitis—Delaware County.....	1
Diphtheria.....	3	Scarlet fever.....	79
Influenza.....	20	Smallpox.....	40
Measles.....	35	Typhoid fever.....	2
Pneumonia.....	6	IOWA.	
Scarlet fever.....	12	Diphtheria.....	21
Tuberculosis.....	3	Scarlet fever.....	127
Whooping cough.....	4	Smallpox.....	12
FLORIDA.		KANSAS.	
Diphtheria.....	17	Chicken pox.....	98
Influenza.....	14	Diphtheria.....	77
Malaria.....	8	German measles.....	1
Pneumonia.....	6	Influenza.....	746
Scarlet fever.....	3	Measles.....	50
Smallpox.....	1	Mumps.....	114
Typhoid fever.....	13	Pneumonia.....	160
GEORGIA.		Scarlet fever.....	123
Cerebrospinal meningitis.....	3	Smallpox.....	11
Chicken pox.....	9	Trachoma.....	1
Dengue.....	1	Tuberculosis.....	21
Diphtheria.....	3	Whooping cough.....	73
German measles.....	1	LOUISIANA.	
Hookworm disease.....	10	Cerebrospinal meningitis.....	3
Influenza.....	82	Dengue.....	4
Malaria.....	9	Diphtheria.....	33
Measles.....	5	Influenza.....	841
Mumps.....	5	Poliomyelitis.....	1
Pellagra.....	2	Scarlet fever.....	4
Pneumonia.....	27	Smallpox.....	38
Scarlet fever.....	8	Typhoid fever.....	9
Septic sore throat.....	1	MAINE.	
Smallpox.....	6	Chicken pox.....	20
Tuberculosis (pulmonary).....	13	Diphtheria.....	7
Typhoid fever.....	8	German measles.....	17
Whooping cough.....	8	Influenza.....	166
ILLINOIS.		Lethargic encephalitis.....	1
Cerebrospinal meningitis:		Measles.....	100
Cook County.....	1	Mumps.....	1
Kane County.....	2	Pneumonia.....	55
Diphtheria:		Scarlet fever.....	25
Cook County (including Chicago).....	152	Tuberculosis.....	8
Chicago.....	139	Typhoid fever.....	3
Winnebago County.....	8	Whooping cough.....	50
Scattering.....	109	MARYLAND. ¹	
Influenza:		Chicken pox.....	96
Chicago.....	366	Diphtheria.....	52
Scattering.....	349	Dysentery.....	2
Pneumonia.....	852	German measles.....	2
Scarlet fever:		Influenza.....	2,620
Cook County (including Chicago).....	105	Lethargic encephalitis.....	13
Chicago.....	82	Measles.....	320
Kane County.....	8	Mumps.....	54
Lake County.....	9	Pneumonia (all forms).....	280
Morgan County.....	8	Scarlet fever.....	73
Scattering.....	110	Septic sore throat.....	1
Smallpox.....	18	Tuberculosis.....	43
Typhoid fever.....	8	Typhoid fever.....	3
Whooping cough.....	232	Vincent's angina.....	1
		Whooping cough.....	97

¹ Week ended Friday.

MASSACHUSETTS.		NEBRASKA.	
	Cases.		Cases.
Cerebrospinal meningitis.....	4	Cerebrospinal meningitis:	
Chicken pox.....	105	Box Butte County.....	1
Diphtheria.....	135	Chicken pox.....	15
German measles.....	3	Diphtheria:	
Influenza.....	106	Omaha.....	18
Lethargic encephalitis.....	9	Sarpy County.....	14
Measles.....	860	Scattering.....	13
Mumps.....	179	Influenza.....	247
Ophthalmia neonatorum.....	28	Measles.....	13
Pneumonia (lobar).....	229	Mumps.....	18
Polioomyelitis.....	3	Pneumonia.....	5
Scarlet fever.....	334	Scarlet fever.....	36
Septic sore throat.....	3	Septic sore throat.....	2
Tuberculosis (all forms).....	117	Smallpox.....	1
Typhoid fever.....	1	Tuberculosis.....	2
Whooping cough.....	315	Typhoid fever.....	1
		Whooping cough.....	13
MICHIGAN.		NEW JERSEY.	
Diphtheria.....	136	Cerebrospinal meningitis.....	1
Measles.....	149	Chicken pox.....	123
Pneumonia.....	359	Diphtheria.....	138
Scarlet fever.....	329	Influenza.....	421
Smallpox.....	27	Measles.....	1,133
Tuberculosis.....	271	Pneumonia.....	332
Typhoid fever.....	19	Scarlet fever.....	201
Whooping cough.....	154	Trachoma.....	1
		Typhoid fever.....	4
		Whooping cough.....	114
MINNESOTA.		NEW MEXICO.	
Chicken pox.....	8	Chicken pox.....	14
Diphtheria.....	71	Diphtheria:	
Influenza.....	26	Albuquerque.....	9
Lethargic encephalitis.....	1	Scattering.....	27
Measles.....	163	Influenza.....	48
Pneumonia.....	6	Measles.....	11
Scarlet fever.....	173	Mumps.....	2
Smallpox.....	46	Pneumonia.....	22
Tuberculosis.....	83	Scarlet fever.....	12
Typhoid fever.....	6	Tuberculosis.....	13
Whooping cough.....	2	Whooping cough.....	1
		NEW YORK.	
		(Exclusive of New York City.)	
		Cerebrospinal meningitis.....	4
		Diphtheria.....	107
		Influenza.....	1,418
		Lethargic encephalitis.....	13
		Measles.....	866
		Pneumonia.....	684
		Scarlet fever.....	332
		Smallpox.....	16
		Typhoid fever.....	15
		Whooping cough.....	263
		OREGON.	
		Chicken pox.....	31
		Diphtheria.....	7
		Influenza.....	75
		Measles.....	8
		Mumps.....	1
		Pneumonia.....	14
		Scarlet fever.....	17
MISSISSIPPI.			
Diphtheria.....	10		
Influenza.....	740		
Scarlet fever.....	9		
Typhoid fever.....	4		
MISSOURI.			
Cerebrospinal meningitis.....	2		
Chicken pox.....	25		
Diphtheria.....	75		
Epidemic sore throat.....	5		
Influenza.....	547		
Measles.....	322		
Mumps.....	18		
Pneumonia.....	26		
Scarlet fever.....	106		
Smallpox.....	11		
Trachoma.....	8		
Tuberculosis.....	38		
Typhoid fever.....	2		
Whooping cough.....	41		
MONTANA.			
Diphtheria.....	8		
Smallpox.....	9		
Typhoid fever.....	1		

¹ Deaths.

OREGON—continued.		WASHINGTON—continued.	
Smallpox:	Cases.		Cases.
Portland.....	10	Measles.....	6
Place not stated.....	1	Mumps.....	20
Tuberculosis.....	11	Scarlet fever:	
Typhoid fever.....	2	Tacoma.....	10
Whooping cough.....	7	Scattering.....	22
SOUTH DAKOTA.		Smallpox:	
Cerebrospinal meningitis.....	1	Kahlotus.....	22
Chicken pox.....	13	Scattering.....	34
Diphtheria.....	9	Tuberculosis.....	9
Measles.....	7	Typhoid fever.....	3
Mumps.....	2	Whooping cough.....	62
Pneumonia.....	13	WEST VIRGINIA.	
Scarlet fever.....	34	Diphtheria.....	14
Smallpox.....	9	Influenza.....	179
Tuberculosis.....	1	Measles:	
Typhoid fever.....	3	Keyser.....	62
Whooping cough.....	7	Morgantown.....	21
TEXAS.		Wellsburg.....	21
Chicken pox.....	58	Wheeling.....	100
Diphtheria.....	15	Scarlet fever:	
Influenza.....	162	Fairmont.....	8
Lethargic encephalitis.....	1	Scattering.....	12
Measles.....	238	Typhoid fever.....	4
Mumps.....	15	WISCONSIN.	
Pellagra.....	1	Milwaukee:	
Pneumonia.....	23	Cerebrospinal meningitis.....	2
Poliomyelitis.....	1	Chicken pox.....	12
Scarlet fever.....	15	Diphtheria.....	19
Smallpox.....	7	Influenza.....	16
Tuberculosis.....	91	Measles.....	187
Typhoid fever.....	4	Pneumonia.....	24
Whooping cough.....	40	Scarlet fever.....	273
VERMONT.		Tuberculosis.....	8
Chicken pox.....	28	Whooping cough.....	22
Diphtheria.....	6	Scattering:	
Influenza.....	1	Cerebrospinal meningitis.....	1
Measles.....	6	Chicken pox.....	109
Mumps.....	2	Diphtheria.....	49
Pneumonia.....	6	German measles.....	8
Scarlet fever.....	14	Influenza.....	1,750
Smallpox.....	2	Lethargic encephalitis.....	2
Whooping cough.....	26	Measles.....	1,188
VIRGINIA.		Pneumonia.....	66
Smallpox—Carroll County.....	1	Scarlet fever.....	144
WASHINGTON.		Smallpox.....	35
Actinomycesis—Snohomish County.....	1	Tuberculosis.....	46
Cerebrospinal meningitis:		Typhoid fever.....	3
Okanogan County.....	1	Whooping cough.....	86
Seattle.....	1	WYOMING.	
Chicken pox.....	77	Chicken pox.....	3
Diphtheria.....	15	Measles.....	1
Lethargic encephalitis—Chelan County.....	2	Pneumonia.....	2
		Scabies.....	1
		Scarlet fever.....	1
		Whooping cough.....	1

North Dakota Report for Week Ended February 17, 1923.

	Cases.		Cases.
Cerebrospinal meningitis.....	1	Scarlet fever.....	23
Chicken pox.....	18	Smallpox.....	22
Diphtheria.....	8	Trachoma.....	2
Influenza.....	75	Tuberculosis.....	3
Lethargic encephalitis.....	5	Typhoid fever.....	1
Measles.....	13	Whooping cough.....	5
Pneumonia.....	3		

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Fellagra.	Polio-myelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
JANUARY, 1923.										
Delaware.....	1	21	210		405			53		3
Idaho.....		13			1			30	28	1
Illinois.....	15	1,697	1,032	3	2,154			1,556	367	65
Indiana.....	3	571	1,132		800		1	417	254	10
Kansas.....	2	461	1,153		146			591	30	15
Maryland.....	1	397	4,018	3	764		2	396		24
Minnesota.....	2	466	1		680		1	1,239	398	15
Mississippi.....	1	99	48,240	2,665	2,303	121	4	33	41	47
Nebraska.....	2	131	193		38		2	277	20	7
New Jersey.....	8	886	345	1	5,674		1	918		21
New York.....	16	1,673	2,601	3	3,487		17	2,482	64	142
North Carolina.....	4	261			1,678		1	207	351	30
Washington.....	2	116			18		1	250	188	36

RECIPROCAL NOTIFICATION.

January, 1923.

Cases of communicable diseases referred during January, 1923, to other State health departments by departments of health of certain States.

State referred by.	Diphtheria.	Paratyphoid.	Polio-myelitis.	Scarlet fever.	Smallpox.	Tuberculosis.	Typhoid fever.
Connecticut.....		1					
Illinois.....						12	
Massachusetts.....							1
Minnesota.....	1			2		46	1
New Jersey.....				1			
New York.....			1	1			2
Washington.....					1		

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923.

ANTHRAX.

City.	Cases.	Deaths.
New Jersey:		
Hoboken.....	1	
New York:		
New York.....	1	

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Feb. 10, 1923.		City.	Median for previous years.	Week ended Feb. 10, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
Colorado:				New Jersey:			
Denver.....	0		1	Passaic.....	0		1
Connecticut:				Paterson.....	0	1	
Bridgeport.....	0		1	Newburgh.....	0	1	
Fairfield.....		1		New York.....	7	2	2
Meriden.....	0	1	1	Ohio:			
New Haven.....	0	1		East Cleveland.....		1	
Illinois:				Pennsylvania:			
Chicago.....	2	2		Pittsburgh.....	0	1	
Massachusetts:				Texas:			
Boston.....	0	1		Houston.....	0	1	1
Leominster.....	0	1		Wisconsin:			
Michigan:				Marquette.....	0		1
Detroit.....	0	1		Milwaukee.....	1		1
Montana:							
Missoula.....	0		1				

DIPHTHERIA.

See p. 420; also Current State summaries, p. 408; and Monthly summaries by States, p. 412.

INFLUENZA.

City.	Cases.		Deaths, week ended Feb. 10, 1923.	City.	Cases.		Deaths, week ended Feb. 10, 1923.
	Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.			Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.	
Alabama:				Connecticut—Continued.			
Birmingham.....	5	17	2	New Haven.....	4	3	2
Mobile.....		7	3	New London.....	3	3	
Montgomery.....	1			Waterbury.....	7	1	
Tuscaloosa.....		11		District of Columbia:			
Arkansas:				Washington.....	9	21	20
Fort Smith.....	3			Florida:			
Hot Springs.....		15		St. Petersburg.....		1	
Little Rock.....	6	23		Tampa.....	2	5	
North Little Rock.....		10		Georgia:			
California:				Albany.....	1		
Alameda.....	64	3		Atlanta.....	18	16	2
Berkeley.....	109	238	1	Augusta.....	2		
Eureka.....	15			Macon.....		25	
Long Beach.....		1		Rome.....	5	8	
Los Angeles.....	75	38	1	Savannah.....	30	47	
Oakland.....	46	36	3	Illinois:			
Sacramento.....	12			Chicago.....	298	475	43
San Diego.....		14	2	Cicero.....		17	
San Francisco.....	413	69	7	Danville.....	2		
Santa Ana.....	2	9		Decatur.....		3	
Santa Cruz.....		24		East St. Louis.....			1
Stockton.....	4	1	1	Elgin.....	2	20	
Vallejo.....	3			Jacksonville.....		2	1
Colorado:				La Salle.....	1		
Denver.....			3	Oak Park.....	7	6	
Pueblo.....			1	Pekin.....	1		
Connecticut:				Peoria.....			1
Bridgeport.....	210	2	2	Quincy.....	1		
Fairfield.....	1			Rockford.....			1
Greenwich.....	38			Rock Island.....		1	1
Hartford.....	5	41	4	Springfield.....	1	1	1
Meriden.....	9			Indiana:			
Milford.....	2			Anderson.....			1
New Britain.....	34			Crawfordsville.....			1

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Feb. 10, 1923.	City.	Cases.		Deaths, week ended Feb. 10, 1923.
	Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.			Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.	
Indiana—Continued.				Massachusetts—Contd.			
Elkhart.....	1			Wakefield.....	3		
Elwood.....			1	Waltham.....	3	217	
Hammond.....	1			Watertown.....	5		
Indianapolis.....			1	Westfield.....		9	
Kokomo.....			1	Winthrop.....	10	1	
Laporte.....		70		Worcester.....	356		2
Logansport.....			1	Michigan:			
Mishawaka.....			1	Battle Creek.....		24	2
Iowa:				Detroit.....	16	25	13
Burlington.....	1			Flint.....	4	4	
Kansas:				Grand Rapids.....	1	11	4
Coffeyville.....		5		Highland Park.....	1	2	
Hutchinson.....		1		Jackson.....		1	
Kansas City.....	4	10		Kalamazoo.....			1
Lawrence.....	6	4		Pontiac.....		2	3
Salina.....	1			Minnesota:			
Topeka.....	5			Minneapolis.....			1
Wichita.....	28	5	2	Winona.....	12		
Kentucky:				Missouri:			
Covington.....		6	2	Joplin.....	12	11	
Henderson.....		1		Kansas City.....	31	18	11
Louisville.....	224	64	4	St. Joseph.....			2
Owensboro.....	44			St. Louis.....	12		
Louisiana:				Montana:			
Baton Rouge.....	1	37		Missoula.....		2	
New Orleans.....	10	41	9	New Hampshire:			
Maine:				Manchester.....	33		
Auburn.....	7	8		New Jersey:			
Bath.....		2		Asbury Park.....	4		
Biddeford.....	2	20		Bayonne.....	4		
Lewiston.....	7			Belleville.....	5	2	
Sanford.....	11			Clifton.....	12		
Waterville.....	1	2		East Orange.....	17	3	
Maryland:				Garfield.....	7	3	
Baltimore.....	104	953	25	Hackensack.....	13		
Cumberland.....	5	23	1	Harrison.....	16		
Frederick.....		23		Jersey City.....	22	4	
Massachusetts:				Kearny.....	135	39	
Amesbury.....	4			Montclair.....	22	8	1
Arlington.....	28			Morristown.....	5		
Attleboro.....	33		1	Newark.....	698	185	
Belmont.....	4	1		Orange.....	20	9	
Boston.....	367	29	9	Passaic.....	49	4	1
Braintree.....	7	23		Paterson.....	676	11	
Brookton.....	2			Plainfield.....	46		
Brookline.....	4	2		Trenton.....	57	9	
Cambridge.....	102	13		Union.....	1	1	
Chelsea.....	18			West Orange.....	37		
Clinton.....	9			New Mexico:			
Danvers.....	4			Albuquerque.....	3		1
Everett.....	19	4	1	New York:			
Fall River.....	38			Albany.....	45	259	
Framingham.....	7			Amsterdam.....		40	1
Greenfield.....	1		1	Auburn.....	4		
Haverhill.....	58	28		Binghamton.....	3		
Holyoke.....	3			Buffalo.....	7	12	3
Leominster.....	3	3	3	Cohoes.....	10	10	
Lowell.....	58	2		Elmira.....	3	1	1
Lynn.....	18			Ithaca.....	6		
Malden.....	3			Jamestown.....	72		
New Bedford.....		5		Lackawanna.....		3	
Newburyport.....	6	5		Lockport.....		114	2
North Adams.....	4			Middletown.....	11	8	
Northampton.....	1			Mount Vernon.....	168	26	
Peabody.....	20			New York.....	7,070	2,439	77
Pittsfield.....		4	2	Niagara Falls.....	1	7	
Quincy.....	28	1		North Tonawanda.....	2	13	
Salem.....	3			Peekskill.....	33		
Saugus.....	31	7		Port Chester.....	2		
Somerville.....	18		1	Poughkeepsie.....	4		
Southbridge.....	4			Saratoga Springs.....	7	28	
Springfield.....	7	31	3	Schenectady.....	3	4	2

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

INFLUENZA—Continued.

City.	Cases.		Deaths, week ended Feb. 10, 1923.	City.	Cases.		Deaths, week ended Feb. 10, 1923.
	Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.			Week ended Feb. 11, 1922.	Week ended Feb. 10, 1923.	
New York—Continued.				Tennessee—Continued.			
Syracuse.....	32	6	3	Memphis.....			6
Watertown.....	1			Nashville.....			5
Yonkers.....	4			Texas:			
North Carolina:				Amarillo.....		11	2
Wilmington.....		2		Dallas.....		1	6
Ohio:				Fort Worth.....		2	2
Akron.....	7	6	2	San Antonio.....		1	1
Ashtabula.....	2	21		Utah:			
Barberton.....		7		Salt Lake City.....	17		
Canton.....		5	2	Virginia:			
Chillicothe.....	21			Alexandria.....		3	
Cincinnati.....	43	14	18	Charlottesville.....			1
Cleveland.....	29	119	12	Danville.....	1	1	1
Cleveland Heights.....		1		Lynchburg.....	1		2
Columbus.....		1	19	Petersburg.....			1
East Cleveland.....	3			Richmond.....		3	7
Hamilton.....	2	6		Roanoke.....	2		4
Marion.....		4		Washington:			
Newark.....			1	Aberdeen.....	380		
Niles.....	2			Seattle.....	337		
Sandusky.....	1		2	Spokane.....	31		
Springfield.....		7		West Virginia:			
Tiffin.....		3		Bluefield.....	4		
Toledo.....			2	Charleston.....	4		
Oklahoma:				Clarksburg.....	4		1
Oklahoma.....			3	Fairmont.....	10		
Oregon:				Huntington.....		10	3
Portland.....	20	4	1	Morgantown.....	19	75	
Pennsylvania:				Wheeling.....		3	
Philadelphia.....	49	24	20	Wisconsin:			
Rhode Island:				Appleton.....		3	
Cumberland.....		1		Beloit.....		24	
Providence.....	83	2	2	Eau Claire.....		2	
South Carolina:				Milwaukee.....	3	25	3
Charleston.....	19	4		Racine.....		2	
Tennessee:				Superior.....		1	
Chattanooga.....	1			Wausau.....	1		

LEPROSY.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:					
San Francisco.....	1				

LETHARGIC ENCEPHALITIS.

California:			Ohio:		
San Francisco.....		1	Akron.....	1	
Connecticut:			Oregon:		
Meriden.....	1		Portland.....	8	
New Haven.....	3		Wisconsin:		
Nebraska:			La Crosse.....	1	
Omaha.....	1	1			

MALARIA.

California:			New York:		
Oakland.....	1		New York.....	1	
Georgia:			Ohio:		
Brunswick.....	1		Cleveland.....	1	
Macon.....	2		Oklahoma:		
Savannah.....	1		Oklahoma.....		1
Louisiana:			Texas:		
New Orleans.....	1		Beaumont.....		1

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

MEASLES.

See p. 420; also Current State summaries, p. 408; and Monthly summaries by States, p. 412.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Georgia:		
Montgomery.....	1	1	Atlanta.....		1
Arkansas:			Tennessee:		
Little Rock.....	1		Memphis.....		2

PNEUMONIA (ALL FORMS).

Alabama:			Illinois—Continued.		
Birmingham.....	13	4	Mattoon.....	2	1
Mobile.....		2	Oak Park.....	7	1
Montgomery.....		2	Pekin.....		2
Tuscaloosa.....	2		Peoria.....		4
Arkansas:			Rockford.....		3
Fort Smith.....	2		Rock Island.....		1
Hot Springs.....		2	Springfield.....	10	2
Little Rock.....	8		Indiana:		
California:			Anderson.....		7
Alameda.....		1	East Chicago.....		7
Berkeley.....		2	Frankfort.....		2
Eureka.....		2	Gary.....		4
Glendale.....		3	Indianapolis.....		29
Long Beach.....		2	Kokomo.....		1
Los Angeles.....	70	31	Laporte.....		4
Oakland.....	24	13	Logansport.....		3
Riverside.....	3	1	Michigan City.....		2
Sacramento.....	8	5	Mishawaka.....		5
San Bernardino.....		4	Muncie.....		4
San Diego.....	8	4	South Bend.....		1
San Francisco.....	22	18	Terre Haute.....		1
Santa Ana.....		1	Iowa:		
Santa Cruz.....		2	Burlington.....	7	2
Stockton.....	3	1	Muscatine.....		1
Vallejo.....		3	Sioux City.....	1	
Colorado:			Kansas:		
Denver.....		23	Coffeyville.....	1	
Pueblo.....		2	Kansas City.....	22	
Connecticut:			Parsons.....		1
Bridgeport.....	5	2	Topeka.....	8	4
Bristol.....		2	Wichita.....	6	3
Fairfield.....	1		Kentucky:		
Greenwich.....	5		Covington.....		2
Hartford.....	5	4	Henderson.....		1
Milford.....	1		Louisville.....	43	22
New Haven.....		4	Louisiana:		
New London.....		2	Baton Rouge.....	5	2
Waterbury.....		5	New Orleans.....	29	23
District of Columbia:			Maine:		
Washington.....		53	Auburn.....		1
Florida:			Bangor.....	3	
St. Petersburg.....		1	Bath.....	7	3
Georgia:			Biddeford.....	5	1
Atlanta.....	19	12	Lewiston.....	5	4
Brunswick.....		2	Portland.....		1
Rome.....	1		Sanford.....	1	
Savannah.....		3	Waterville.....	1	
Valdosta.....		1	Maryland:		
Idaho:			Baltimore.....	188	69
Pocatello.....		1	Cumberland.....	9	3
Illinois:			Frederick.....	4	
Aurora.....	6	2	Massachusetts:		
Blue Island.....	2		Amesbury.....		3
Champaign.....	1		Arlington.....	2	1
Chicago.....	550	156	Belmont.....		1
Cicero.....	5	4	Beverly.....		2
Decatur.....	14	2	Boston.....	72	42
East St. Louis.....		5	Braintree.....	2	
Elgin.....	7	2	Cambridge.....	5	3
Evanston.....	5		Chelsea.....		4
Freeport.....		1	Chicopee.....		6
Galesburg.....	4	3	Clinton.....	1	
Jacksonville.....	5	3	Easthampton.....		2
Kewanee.....	12	2	Everett.....	2	1
La Salle.....	3	1	Fall River.....		8

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Massachusetts—Continued.			New Jersey—Continued.		
Fitchburg.....		2	Montclair.....	4	
Greenfield.....		1	Morristown.....		2
Haverhill.....	11	2	Newark.....	118	28
Holyoke.....		7	Orange.....	10	2
Lawrence.....	4	2	Passaic.....		4
Leominster.....	3	1	Paterson.....	9	5
Lowell.....	7	2	Perth Amboy.....		1
Lynn.....	9	5	Phillipsburg.....		1
Malden.....		6	Plainfield.....	4	3
Medford.....		4	Trenton.....	16	9
Melrose.....	2		West Hoboken.....		3
New Bedford.....		15	West Orange.....	2	
Newton.....	3		New Mexico:		
North Adams.....	1		Albuquerque.....		3
Northampton.....	2		New York:		
Pittsfield.....		2	Albany.....	48	
Quincy.....	7	3	Amsterdam.....	3	2
Salem.....		2	Buffalo.....	62	32
Saugus.....		1	Cohoes.....	3	1
Somerville.....	8	3	Elmira.....	12	3
Southbridge.....		1	Geneva.....		2
Springfield.....	15	3	Hornell.....	3	
Taunton.....		7	Ithaca.....	7	
Wakefield.....	1		Lackawanna.....	3	1
Waltham.....	3		Little Falls.....		1
Webster.....		1	Lockport.....		2
West Springfield.....		3	Middletown.....	2	1
Westfield.....	1		Mount Vernon.....	11	5
Winthrop.....		1	New York.....	797	307
Woburn.....		1	Newburgh.....		1
Worcester.....		11	Niagara Falls.....	15	5
Michigan:			North Tonawanda.....		3
Battle Creek.....	3		Peekskill.....	2	
Benton Harbor.....		1	Poughkeepsie.....	10	6
Detroit.....	138	78	Rochester.....	33	14
Flint.....	8	4	Rome.....	7	3
Grand Rapids.....	25	8	Schenectady.....	23	5
Hamtramck.....		5	Syracuse.....	19	11
Highland Park.....	8	2	Watertown.....		33
Holland.....	2		White Plains.....	6	
Jackson.....	3	1	North Carolina:		
Kalamazoo.....		4	Greensboro.....		1
Pontiac.....	8	3	Raleigh.....		2
Port Huron.....	3		Rocky Mount.....		1
Saginaw.....		4	Winston-Salem.....		4
Sault Ste. Marie.....	1		Ohio:		
Minnesota:			Akron.....	10	7
Duluth.....	9	1	Barberton.....		3
Minneapolis.....		21	Cambridge.....		2
Rochester.....		1	Canton.....		9
Winona.....		1	Chillicothe.....	1	
Missouri:			Cincinnati.....		28
Kansas City.....	43	31	Cleveland.....	110	52
St. Joseph.....		6	Cleveland Heights.....	2	
Springfield.....		1	Columbus.....		29
Montana:			East Cleveland.....		5
Billings.....		2	East Youngstown.....		1
Great Falls.....		3	Findlay.....	1	
Helena.....		1	Fremont.....	2	
Missoula.....		2	Hamilton.....		3
Nebraska:			Mansfield.....	2	
Lincoln.....		6	Marion.....	4	
Omaha.....		13	Middletown.....	3	1
New Hampshire:			New Philadelphia.....	3	
Berlin.....		1	Newark.....		7
Concord.....		2	Niles.....		1
Dover.....		2	Norwood.....		2
Keene.....		2	Piqua.....		3
New Jersey:			Sandusky.....	1	
Atlantic City.....	4	3	Springfield.....		7
Belleville.....	6		Steubenville.....	2	
Bloomfield.....	9	1	Tiffin.....		3
East Orange.....	11	3	Toledo.....		15
Englewood.....	2		Zanesville.....	3	2
Garfield.....	5		Oklahoma:		
Hackensack.....		2	Oklahoma.....		13
Hoboken.....		5	Oregon:		
Jersey City.....	7		Portland.....		3
Kearny.....		4			

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Pennsylvania:			Virginia:		
Philadelphia.....	171	142	Alexandria.....	5	4
Rhode Island:			Charlottesville.....		2
Cranston.....	2	1	Danville.....		32
Cumberland.....	2		Lynchburg.....		2
Newport.....		3	Norfolk.....		10
Pawtucket.....		8	Petersburg.....		1
Providence.....		16	Richmond.....		9
South Carolina:			Roanoke.....		2
Charleston.....		6	Washington:		
Greenville.....		7	Walla Walla.....	2	
South Dakota:			West Virginia:		
Sioux Falls.....	1		Bluefield.....		1
Tennessee:			Charleston.....		2
Chattanooga.....	1		Clarksburg.....		1
Memphis.....		15	Huntington.....		6
Nashville.....		5	Morgantown.....	2	
Texas:			Parkersburg.....		2
Beaumont.....		2	Wheeling.....		9
Corpus Christi.....	1		Wisconsin:		
Dallas.....		13	Ashland.....		1
El Paso.....		9	Beloit.....	3	
Fort Worth.....		5	Fond du Lac.....		2
Houston.....		2	Kenosha.....		3
San Angelo.....		2	Madison.....		2
San Antonio.....		11	Milwaukee.....	45	43
Waco.....		2	Oshkosh.....		3
Utah:			Racine.....		3
Salt Lake City.....		3	Sheboygan.....		2
Vermont:			Superior.....		1
Rutland.....		2			

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for pre- vious years.	Week ended Feb. 10, 1923.		City.	Median for pre- vious years.	Week ended Feb. 10, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				New York:			
Stockton.....	0	1		New York.....	1	4	1
Massachusetts:				South Carolina:			
Boston.....	0	1	1	Charleston.....	0	1	
Cambridge.....	0	1		Wisconsin:			
Newton.....	0	1		Milwaukee.....	0	1	
New Jersey:							
Plainfield.....	0	1					

RABIES IN ANIMALS.

City.	Cases.	City.	Cases.
California:		Massachusetts:	
Los Angeles.....	9	Arlington.....	1
Georgia:		Missouri:	
Savannah.....	1	Kansas City.....	2

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

SCARLET FEVER.

See p. 420; also Current State summaries, p. 408; and Monthly summaries by States, p. 412.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Feb. 10, 1923.		City.	Median for previous years.	Week ended Feb. 10, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				North Carolina:			
Los Angeles.....	2	1		Durham.....	1	2	
Oakland.....	0	5		Winston-Salem.....	0	47	
San Francisco.....	3	1		North Dakota:			
Colorado:				Grand Forks.....	1	1	
Denver.....	18	2	2	Ohio:			
Illinois:				Columbus.....	1	1	
Chicago.....	3	2		Dayton.....	1	1	
Decatur.....	0	1		Toledo.....	2	5	
Freeport.....	0	2		Oklahoma:			
Indiana:				Oklahoma.....	5	1	
Elwood.....	0	2		Oregon:			
Gary.....	1	5		Portland.....	3	12	
Indianapolis.....	12	3		Tennessee:			
Kokomo.....	0	1		Chattanooga.....	0	1	
Muncie.....	3	2		Knoxville.....	0	3	
Iowa:				Memphis.....	2	3	
Davenport.....	2	1		Texas:			
Kansas:				Fort Worth.....	1	1	
Parsons.....	3	3		Utah:			
Kentucky:				Salt Lake City.....	4	6	4
Louisville.....	1	1		Virginia:			
Michigan:				Norfolk.....	0	1	
Detroit.....	7	2		Roanoke.....	0	4	
Grand Rapids.....	0	3		Washington:			
Minnesota:				Bellingham.....	0	1	
Duluth.....	2	10		Seattle.....	7	7	
Faribault.....	0	1		Spokane.....	14	12	
Minneapolis.....	28	10		Wisconsin:			
Virginia.....	0	1		Eau Claire.....	1	2	
Missouri:				Oshkosh.....	0	1	
Cape Girardeau.....	1	1		Stevens Point.....		1	
Montana:				Superior.....	1	18	
Great Falls.....	3	5		Waukesha.....	1	3	
New York:				West Allis.....	0	7	
Niagara Falls.....	0	7					

TETANUS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Missouri:		
Mobile.....		1	St. Louis.....	2	
California:			New York:		
Los Angeles.....	1		New York.....		1
Santa Ana.....	1	1			
Minnesota:					
Rochester.....	1	1			

TUBERCULOSIS.

See p. 420; also Current State summaries, p. 408.

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding week of the years 1915 to 1922, inclusive. In instances in which data for the full eight years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Feb. 10, 1923.		City.	Median for previous years.	Week ended Feb. 10, 1923.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Minnesota:			
Berkeley.....	0	1	.....	Minneapolis.....	0	1	.....
Los Angeles.....	2	3	.....	Missouri:			
Sacramento.....	0	1	.....	Kansas City.....	1	1	.....
Stockton.....	0	2	1	Nebraska:			
District of Columbia:				Omaha.....	0	2	1
Washington.....	2	1	.....	New Jersey:			
Florida:				Hoboken.....	0	1	.....
Tampa.....	1	.....	1	Jersey City.....	0	1	.....
Georgia:				Newark.....	0	2	1
Savannah.....	0	1	.....	Trenton.....	0	1	2
Illinois:				New York:			
Chicago.....	3	2	.....	Buffalo.....	1	1	1
Indiana:				Lackawanna.....	1	1	.....
Gary.....	0	.....	1	New York.....	10	7	.....
Iowa:				North Tonawanda.....	0	1	.....
Sioux City.....	0	1	.....	Ohio:			
Kentucky:				Canton.....	0	1	.....
Louisville.....	1	2	.....	Cincinnati.....	0	1	.....
Louisiana:				Cleveland.....	1	1	.....
New Orleans.....	1	1	2	Springfield.....	0	1	.....
Maryland:				Pennsylvania:			
Baltimore.....	2	2	.....	Chester.....	0	1	.....
Massachusetts:				Norristown.....	0	1	.....
Boston.....	1	2	.....	Philadelphia.....	5	1	.....
Cambridge.....	0	1	.....	Texas:			
Fall River.....	1	1	.....	Galveston.....	0	1	.....
Lawrence.....	1	1	.....	San Antonio.....	0	1	1
Newton.....	0	1	.....	West Virginia:			
Michigan:				Wheeling.....	0	1	2
Detroit.....	2	4	.....			
Grand Rapids.....	0	1	.....			

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Birmingham.....	178,806	59	1	.....	2	.....	.....	.....	8	4
Mobile.....	99,777	21	1	.....	.....	.....	1	.....	.....	1
Montgomery.....	43,494	12	.....	.....	.....	.....	.....	.....	.....	.....
Tuscaloosa.....	11,996	.....	.....	.....	.....	.....	1	.....	1	.....
Arkansas:										
Fort Smith.....	28,870	.....	1	.....	.....	.....	.....	.....	.....	.....
Hot Springs.....	11,685	5	.....	.....	.....	.....	.....	.....	.....	.....
Little Rock.....	65,142	.....	.....	.....	3	.....	.....	.....	.....	.....
North Little Rock.....	14,048	.....	.....	.....	1	.....	.....	.....	.....	.....
California:										
Alameda.....	28,806	10	1	.....	.....	.....	.....	.....	.....	1
Berkeley.....	56,036	22	3	.....	2	.....	6	.....	.....	.....
Eureka.....	12,923	7	.....	.....	.....	.....	2	.....	1	.....
Glendale.....	13,536	10	.....	.....	.....	.....	.....	.....	.....	.....
Long Beach.....	55,593	18	3	.....	9	.....	.....	.....	.....	.....
Los Angeles.....	576,673	227	57	2	50	1	54	1	60	19
Oakland.....	216,261	74	6	1	16	.....	9	.....	9	2
Pasadena.....	45,334	20	.....	.....	.....	.....	2	.....	1	2
Richmond.....	16,843	0	.....	.....	.....	.....	.....	.....	.....	.....
Riverside.....	19,341	7	.....	.....	.....	.....	.....	.....	2	1
Sacramento.....	65,908	34	3	.....	3	.....	11	.....	4	9
San Bernardino.....	18,721	19	1	.....	.....	.....	2	.....	1	2
San Diego.....	74,683	40	5	1	85	.....	9	1	5	2

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHtheria, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
California—Continued.										
San Francisco.....	506,676	189	22	1	5		15		22	16
Santa Ana.....	15,485	8	2		3					2
Santa Cruz.....	10,917	6								
Stockton.....	40,296	15	6							1
Vallejo.....	21,107	8								
Colorado:										
Denver.....	256,491	90	35	2			25			8
Pueblo.....	43,050	18	5	1					2	3
Trinidad.....	10,906						2			
Connecticut:										
Bridgeport.....	143,555	36	5		83	2	13		3	4
Bristol.....	20,620	4	1				1			
Fairfield (town).....	11,475	3			1		4	1		
Greenwich (town).....	22,123								1	
Hartford.....	138,036	30	3		1		4		4	
Meriden (town).....	34,764		1	1			1			
Milford (town).....	10,193	3			3		2			
New Haven.....	162,537	48	3		37		5		2	3
New London.....	25,688	12	1		8		5			1
Waterbury.....	91,715	21	3		20		12		5	1
District of Columbia:										
Washington.....	437,571	243	16		80		21		26	10
Florida:										
St. Petersburg.....	14,237	17					2			1
Tampa.....	51,608	17	4				1			3
Georgia:										
Atlanta.....	200,616	62	5	1			2			5
Brunswick.....	14,413	4								
Macon.....	52,995				75		1		4	
Rome.....	13,252		1						1	
Savannah.....	86,252	30							1	1
Valdosta.....	10,783	5								
Idaho:										
Boise.....	21,393	3	1				2			
Pocatello.....	15,001	5								
Illinois:										
Alton.....	24,682	5	8	1	1		1			1
Aurora.....	36,397	18	8		7		5			1
Blue Island.....	11,424	3	1							
Centralia.....	12,491	5					3			
Champaign.....	15,873	4	3		23		2			
Chicago.....	2,701,705	855	188	12	372		102	1	205	46
Cicero.....	44,095	13	2		4		1		2	1
Decatur.....	43,818	15	1				1			1
East St. Louis.....	66,767	18	1		1		1			1
Elgin.....	27,454	10							2	
Evanston.....	37,234	5	2		20		1		2	
Freeport.....	19,669	9	2				4			1
Galesburg.....	23,334	13	3		8		1			
Jacksonville.....	15,713	9	2				2			
Kewanee.....	16,026	4					8			
La Salle.....	13,050	2	1		75					
Mattoon.....	13,552	7			1					
Oak Park.....	39,858	18	1		2		1			
Pekin.....	12,086	2								
Peoria.....	76,121	27	2		105		7			
Rock Island.....	35,177	6	2				2		2	
Rockford.....	65,651	20	4	1	1		1			1
Springfield.....	59,183	31	1		96				1	4
Indiana:										
Anderson.....	29,767	14	3				1			
Bloomington.....	11,595	5							1	1
Crawfordsville.....	10,139	5					4			
East Chicago.....	35,997	18	2	1	32					
Elwood.....	10,790	3								
Frankfort.....	11,585	4	6							2
Gary.....	55,378	15	3		1		3			1
Huntington.....	14,000	4	1							
Indianapolis.....	314,194	107	14		6		1		7	3
Kokomo.....	30,067	9	2				1			
La Fayette.....	22,486	9	2						1	1
Laporte.....	15,158	5			19					
Logansport.....	21,626	11			2					

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Indiana—Continued.											
Michigan City.....	19,457	8				1					2
Mishawaka.....	15,195	7			14		2				
Muncie.....	36,524	7	1		2		1				1
South Bend.....	70,983	5	3		43		3	1	6		
Terre Haute.....	66,083	22	2		4						3
Iowa:											
Burlington.....	24,057		1				3		4		2
Cedar Rapids.....	45,566						6				
Davenport.....	56,727		6								
Dubuque.....	39,141		1		96	2	5				
Iowa City.....	11,267		1				1				
Marshalltown.....	15,731						1				
Mason City.....	20,065	5	4								
Muscatine.....	16,068	8	1		10		1				
Ottumwa.....	23,003		3								
Sioux City.....	71,227	1	4	1			5		1		
Kansas:											
Atchison.....	12,630		3				1				
Coffeyville.....	13,452	4									
Hutchinson.....	23,298				1		1				
Kansas City.....	101,177		2				2		4		
Lawrence.....	12,456	1	1								
Parsons.....	16,028	5	1						1	1	
Salina.....	15,085	3	1				1				
Topeka.....	50,022	22	2						6		
Wichita.....	72,217	31	24				3				
Kentucky:											
Covington.....	57,121	26	3				5				2
Henderson.....	12,169	6			7						
Louisville.....	234,891	91	5	1	11		3		15	4	
Paducah.....	24,735				7						
Louisiana:											
Baton Rouge.....	21,732	7	2						2	1	
New Orleans.....	387,219	155	16	1	4		7		26	14	
Maine:											
Auburn.....	16,985	2					4				
Bangor.....	25,978		2		1						
Bath.....	14,731	11							1	1	
Biddeford.....	18,008	3	1				2				
Lewiston.....	31,791	26					9				
Portland.....	60,272	14	3		10					1	
Sanford (town).....	10,691				7						
Waterville.....	13,351						1		1		
Maryland:											
Baltimore.....	733,826	318	44	3	93		32		13	19	
Cumberland.....	29,837	13	1		62		2				
Frederick.....	11,066	5	2		2		7				
Massachusetts:											
Adams (town).....	12,667	1					1				
Amesbury (town).....	10,036	8									
Arlington (town).....	18,665	6	1		6	1	4		1		
Attleboro.....	49,731	4									
Belmont (town).....	10,749	1									
Beverly.....	22,561	4			8		2				
Boston.....	748,060	328	43	5	121	3	91	1	36	14	
Braintree (town).....	10,580	1			7		1				
Brookline.....	37,748	13			1		3		1		
Cambridge.....	109,694	32	4		40	1	8	1	2		
Chelsea.....	43,184	28	4		9		8				
Chicopee.....	36,214	12									
Clinton.....	12,979	5					1		1		
Danvers.....	11,108						1				
Dedham.....	10,792	1					1				
Easthampton.....	11,261	2	1								
Everett.....	40,120	12	4	1	21		1				
Fall River.....	120,485	50	13	2	48	3	7		7	7	
Fitchburg.....	41,029	15	1	2			2				
Gardner.....	16,971	6	1	1					2		
Greenfield.....	15,462	9									
Haverhill.....	53,884	17	4	1	2		10		1		
Holyoke.....	60,203	15	2				17		2	1	
Lawrence.....	94,270	27	1		6		2		1	1	
Leominster.....	19,744	11	1								

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Lowell.....	112,759	39	3	.....	104	1	11	.....	3	1
Lynn.....	99,148	35	2	.....	113	1	6	.....	2	4
Malden.....	49,103	18	1	.....	16	.....	2	.....	2	.....
Medford.....	39,038	19	2	.....	3	.....	6	.....	1	.....
Melrose.....	18,294	8	.....	.....	1	.....	4	.....	.....	.....
Methuen.....	15,189	7	.....	.....	1	.....	.....	.....	2	.....
New Bedford.....	121,217	44	3	.....	207	.....	2	.....	3	1
Newburyport.....	15,618	7	.....	.....	8	.....	.....	.....	.....	1
Newton.....	46,054	10	.....	.....	6	.....	13	1	1	.....
North Adams.....	22,282	4	.....	.....	.....	.....	.....	.....	.....	.....
Northampton.....	21,951	5	1	.....	.....	.....	3	.....	.....	.....
Pittsfield.....	41,763	13	1	.....	2	.....	4	.....	5	.....
Quincy.....	47,876	12	6	.....	2	.....	11	.....	1	.....
Salem.....	42,529	19	2	.....	2	.....	1	.....	1	1
Saugus.....	10,874	2	.....	.....	4	.....	7	.....	.....	.....
Somerville.....	93,091	24	4	1	7	.....	8	.....	.....	.....
Southbridge.....	14,245	2	.....	.....	.....	.....	2	.....	.....	.....
Springfield.....	129,614	52	9	2	.....	.....	11	.....	3	3
Taunton.....	37,137	14	.....	.....	59	.....	6	.....	.....	1
Wakefield.....	13,025	4	.....	.....	.....	.....	3	1	.....	.....
Waltham.....	30,915	10	2	.....	1	.....	4	.....	.....	.....
Watertown.....	21,457	2	5	.....	3	.....	5	.....	.....	.....
Webster.....	13,258	2	.....	.....	.....	.....	.....	.....	.....	.....
West Springfield.....	13,443	6	.....	1	.....	.....	.....	.....	.....	.....
Westfield.....	18,604	2	1	.....	.....	.....	2	.....	2	.....
Winthrop.....	15,455	3	.....	.....	6	.....	.....	.....	.....	.....
Woburn.....	16,574	9	.....	.....	.....	.....	.....	.....	.....	.....
Worcester.....	179,754	58	.....	.....	18	.....	.....	.....	.....	2
Michigan:										
Alpena.....	11,101	.....	.....	1	1	.....	2	.....	.....	.....
Battle Creek.....	36,164	2	4	.....	.....	.....	6	.....	.....	.....
Benton Harbor.....	12,233	1	9	.....	3	.....	.....	.....	.....	.....
Detroit.....	993,678	344	60	6	19	2	133	.....	60	20
Flint.....	91,599	29	5	1	13	.....	8	2	6	.....
Grand Rapids.....	137,634	53	3	.....	1	.....	3	1	9	5
Hamtramck.....	48,615	10	4	.....	.....	.....	3	.....	.....	1
Highland Park.....	46,499	10	3	.....	.....	.....	6	.....	1	.....
Holland.....	12,183	.....	.....	.....	.....	.....	5	.....	.....	.....
Jackson.....	48,374	18	.....	.....	.....	.....	4	.....	.....	.....
Kalamazoo.....	48,487	23	8	.....	2	.....	2	.....	.....	1
Marquette.....	12,718	1	.....	.....	.....	.....	1	.....	.....	1
Pontiac.....	34,273	18	.....	.....	3	.....	1	.....	4	.....
Port Huron.....	25,944	9	1	.....	.....	.....	.....	.....	.....	.....
Saginaw.....	61,903	33	1	.....	2	.....	9	.....	.....	1
Sault Ste. Marie.....	12,006	2	1	1	.....	.....	.....	.....	.....	.....
Minnesota:										
Duluth.....	98,917	26	1	.....	209	.....	10	1	.....	1
Faribault.....	11,089	5	.....	.....	.....	.....	9	.....	.....	1
Hibbing.....	15,089	3	.....	.....	3	.....	4	.....	.....	.....
Minneapolis.....	380,582	116	15	.....	3	.....	40	1	17	12
Rochester.....	13,722	26	.....	.....	.....	.....	1	.....	.....	.....
St. Cloud.....	15,873	.....	2	.....	.....	.....	.....	.....	.....	.....
Virginia.....	14,022	.....	.....	.....	.....	.....	2	.....	.....	.....
Winona.....	19,143	7	.....	.....	.....	.....	1	.....	.....	.....
Missouri:										
Independence.....	11,686	.....	1	.....	.....	.....	.....	.....	.....	.....
Kansas City.....	324,410	120	12	1	4	.....	6	.....	12	9
St. Joseph.....	77,939	42	5	.....	.....	.....	1	.....	.....	1
St. Louis.....	772,897	256	48	2	126	1	23	1	43	14
Springfield.....	39,631	10	.....	1	.....	.....	.....	.....	.....	1
Montana:										
Anaconda.....	11,668	3	.....	.....	.....	.....	.....	.....	.....	.....
Billings.....	15,100	7	1	.....	.....	.....	.....	.....	1	.....
Great Falls.....	24,121	9	1	.....	.....	.....	.....	.....	.....	2
Helena.....	12,037	8	.....	.....	.....	.....	.....	.....	.....	.....
Missoula.....	12,668	7	.....	.....	.....	.....	1	.....	.....	.....
Nebraska:										
Lincoln.....	54,948	19	.....	.....	.....	.....	.....	.....	.....	.....
Omaha.....	191,601	73	7	.....	1	.....	12	.....	.....	4
Nevada:										
Reno.....	12,016	3	.....	.....	2	.....	1	.....	.....	.....

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.
DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Hampshire:										
Berlin.....	16, 104	4								
Concord.....	22, 167	14								
Dover.....	13, 029	3			1					
Keene.....	11, 210	8	1							
New Jersey:										
Asbury Park.....	12, 400	6			1					
Atlantic City.....	50, 707	17	1		81	2	4		1	
Bayonne.....	76, 754		2				1			
Belleville.....	15, 660		1		7		15		1	
Bloomfield.....	22, 019	3			14				4	
East Orange.....	50, 710	11	1		27		7			
Englewood.....	11, 627	1			39				1	1
Garfield.....	19, 381	3	1		11		2			
Hackensack.....	17, 667	12	1				4		6	3
Hoboken.....	68, 166	26	5				16		16	
Jersey City.....	298, 103		2		6					
Kearney.....	26, 724	10	2		4		3			
Montclair.....	28, 810	5			4		4			
Morristown.....	12, 548	5	1		2				14	6
Newark.....	414, 524	144	21		183	1	23		1	
Orange.....	33, 298	8	1		44		2		1	
Passaic.....	63, 841	22	2		6		3		1	3
Paterson.....	135, 875		3		2		2		5	
Perth Amboy.....	41, 707	6	1	1			5			
Phillipsburg.....	16, 923	4	1				1		1	1
Plainfield.....	27, 700	9					2		1	
Trenton.....	119, 289	49	25	1	3		15		1	
Union (town).....	20, 651		1		1		2			
West Hoboken.....	40, 074	13					1			
West New York.....	29, 926	1								
West Orange.....	15, 573	3	1		4					
New Mexico:										2
Albuquerque.....	15, 157	11								
New York:										
Albany.....	113, 344		3		1		6		2	
Amsterdam.....	33, 524	12	4				35		1	1
Buffalo.....	506, 775	189	8	1	191		1		17	11
Cohoes.....	22, 987	5			1		1			
Elmira.....	45, 393		2		7		1			
Geneva.....	14, 648	8								
Hornell.....	15, 025	4							1	1
Hudson.....	11, 743	3	1		1		2			
Ithaca.....	17, 004	6			6		1		1	1
Lackawanna.....	17, 918	2	5							
Little Falls.....	13, 029	2	1	1						
Lockport.....	21, 308	14			1					
Middletown.....	18, 430								1	
Mount Vernon.....	42, 726	14	1		10				1	
New York.....	5, 630, 048	1, 743	151	16	233	3	283	9	1, 275	1, 111
Newburgh.....	30, 366	13							1	1
Niagara Falls.....	50, 760	20	1				6			
North Tonawanda.....	15, 482	8	1				1			1
Peekskill.....	15, 868	8	1				7			
Poughkeepsie.....	35, 000	16			2		4		3	
Rochester.....	295, 750	95	13	1	120	2	8		14	3
Rome.....	26, 341	17	2				6			1
Saratoga Springs.....	13, 181	3								
Schenectady.....	88, 723	22	11		5		6		2	
Syracuse.....	171, 717	63	20	2	3		25		9	2
Watertown.....	31, 285	16	1			1	1		2	
White Plains.....	21, 031				1		14			
North Carolina:										
Durham.....	21, 719	5	2				1			
Greensboro.....	15, 861	7								
Raleigh.....	24, 418	9			12		2			1
Rocky Mount.....	12, 742	6						1		
Wilmington.....	33, 372	8								
Winston-Salem.....	48, 395	15			2		3		5	2
North Dakota:										
Fargo.....	21, 961	0	2							
Grand Forks.....	14, 010						3			

* Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ohio:										
Akron.....	208,435	36	5		10		9			
Ashtabula.....	22,082	7			1				1	
Barberton.....	18,811	9					4			
Cambridge.....	13,104	7			6		1			
Canton.....	87,091	27	6	1	7		2			3
Chillicothe.....	15,831	3					1			
Cincinnati.....	401,247	185	28	2	7		14		16	14
Cleveland.....	196,841	219	34	3	132		167	2	39	22
Cleveland Heights.....	15,236		1		3				2	
Columbus.....	237,031	116	4		46	1	11		14	9
Coshocton.....	10,847				2					
Dayton.....	152,559	60	3		2				8	
East Cleveland.....	27,292	7	2		5		7		2	
East Youngstown.....	11,237	3								
Findlay.....	17,021	11			18					
Fremont.....	12,468	6			2				1	
Hamilton.....	39,675	14			12		1		1	
Lorain.....	37,295		1		10		2			
Mansfield.....	27,824	12			69	2				1
Marion.....	27,891		2				1			
Martins Ferry.....	11,634	2			8		2			
Middletown.....	23,594	9	1				2	2	2	
New Philadelphia.....	10,718		1		1		1			
Newark.....	26,718	18								
Niles.....	13,080	4	1		3					
Norwood.....	24,966	7					1			
Piqua.....	15,044	12	1							3
Salem.....	10,505	4	2							
Sandusky.....	22,897	6	7		1		1			2
Springfield.....	60,840	17	4		28		5			
Stenbenville.....	28,508	14					2			
Tiffin.....	14,375	8	1							1
Toledo.....	243,164	78	8	1	225	2	24	1	3	6
Zanesville.....	29,569	14	1		8				2	1
Oklahoma:										
Oklahoma.....	91,295	36	4				2		1	
Tulsa.....	72,075		4		14		1			
Oregon:										
Portland.....	258,288	57	24		7		6		13	6
Pennsylvania:										
Allentown.....	73,502		7		86		5		1	
Altoona.....	60,331		3		103		3			
Ambridge.....	12,730				9					
Beaver Falls.....	12,802		2		9				1	
Berwick.....	12,181						4			
Bethlehem.....	50,358		8		49		6		1	
Braddock.....	20,879		1		3					
Bradford.....	15,525				3					
Bristol.....	10,273		1		2					
Butler.....	23,778		1		8		2			
Carbondale.....	18,649		1							
Carlisle.....	10,916				1					
Carnegie.....	11,516		1		12					
Carrick.....	10,504				2					
Chambersburg.....	13,171				23		1			
Charleroi.....	11,516				2					
Chester.....	58,039		1		55		3			
Coatsville.....	14,515				5					
Connellsville.....	13,804						1			
Dickson.....	11,049				2					
Donora.....	14,131				6					
DuBois.....	13,681		2		11					
Duquesne.....	19,011				9					
Easton.....	33,813		1		22					
Erie.....	93,372		4		4		2		2	
Farrell.....	15,586		1		4		3		1	
Greensburg.....	15,033		2		15					
Harri-burg.....	75,917		3		217		5			
Hazleton.....	32,277		1							
Homestead.....	20,452		1		21					
Jeannette.....	10,627		3		14					
Johnstown.....	67,327		1		4		13			
Lancaster.....	53,150		3		121		11		2	

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Lebanon.....	24,643				69					
McKees Rocks.....	16,713		4		7		1		1	
McKeesport.....	46,781				8		4		2	
Mahanoy City.....	15,599				12					
Monessen.....	18,179		2		1		1		3	
Nanticoke.....	22,614				4				4	
New Castle.....	44,938						2			
New Kensington.....	11,987		1		4		1		1	
Norristown.....	32,319				10					
North Braddock.....	14,928				2					
Oil City.....	21,274				47				2	
Philadelphia.....	1,823,779	679	65	13	527	17	56		78	55
Phoenixville.....	10,484				7					
Pittsburgh.....	588,343		33		588		25		16	
Pittston.....	18,497		1		3		2			
Plymouth.....	16,500		1							
Pottstown.....	17,431				79					
Pottsville.....	21,876				4					
Reading.....	107,784		10		112		1		4	
Scranton.....	137,783		5		24		3		5	
Shamokin.....	21,204		1		5					
Sharon.....	21,747		1		9					
Shenandoah.....	24,726		1							
Steelton.....	13,428				23					
Swissvale.....	10,908		2		7		1			
Tamaqua.....	12,363		2		13					
Uniontown.....	15,692		1		8		1			
Warren.....	14,272								1	
Washington.....	21,480		1		2					
West Chester.....	11,717				24		3			
Wilkes-Barre.....	73,833		1		4		1			
Wilkesburg.....	24,403		2		38		3		2	
Williamsport.....	36,198		3				2			
Woodlawn.....	12,495		1		3					
York.....	47,512				23		5			
Rhode Island:										
Cranston.....	29,407	5	2		8		1			
Cumberland (town).....	10,077	6	1		5					
Newport.....	30,255	7	2							
Pawtucket.....	64,248	26		1						
Providence.....	237,595	84	11	3	121	7	8			4
South Carolina:										
Charleston.....	67,957	27	1				1			
Columbia.....	37,524	12								
Greenville.....	23,127	21	1				1			
South Dakota:										
Sioux Falls.....	25,202	5	2		14		4			
Tennessee:										
Chattanooga.....	57,895		4	1	20		1		3	
Knoxville.....	77,818		1						5	5
Memphis.....	162,351	78	3		366		2		6	3
Nashville.....	118,342	38			9		5		4	1
Texas:										
Amarillo.....	15,494		1						2	1
Beaumont.....	40,422	14								3
Corpus Christi.....	10,522	2							1	
Corsicana.....	11,356	4	5						2	
Dallas.....	158,976	57	3		1				2	3
El Paso.....	77,560	197			110	11	1			9
Fort Worth.....	106,482	27	3						2	1
Galveston.....	44,255	5								
Houston.....	138,276	35	4				3			1
San Angelo.....	10,050	20								8
San Antonio.....	161,379	66	8	1	1		3		5	5
Waco.....	38,500	4								1
Utah:										
Salt Lake City.....	118,110	41	3		10		2	1	1	3
Vermont:										
Burlington.....	22,779	2	2				2			
Rutland.....	14,954	7								2
Virginia:										
Alexandria.....	18,060	7								
Charlottesville.....	10,688	9	1							

CITY REPORTS FOR WEEK ENDED FEBRUARY 10, 1923—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Popula- tion Jan. 1, 1920.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.		
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Virginia—Continued.											
Danville.....	21,539	15	1						1		
Lynchburg.....	30,070	10	3		49		1			2	
Norfolk.....	115,777		2				1		6		
Petersburg.....	31,012	18	1		3		1				
Richmond.....	171,667	62	1		3		5		9	6	
Roanoke.....	59,842	20	1		7	1	2				
Washington:											
Everett.....	27,644		1								
Seattle.....	315,312		6		2		25		14		
Spokane.....	104,437		7		1		4				
Tacoma.....	96,955		3				7		2		
Walla Walla.....	15,303								2		
West Virginia:											
Bluefield.....	15,282	5	1	1							
Charleston.....	39,608	17	1		1		1			1	
Clarksburg.....	27,869	6	3								
Fairmont.....	17,851		7		1		3		7		
Huntington.....	59,177	26	3				2			1	
Martinsburg.....	12,515		1		1		1				
Morgantown.....	12,127		1		27		1				
Moundsville.....	10,669	4	1								
Parkersburg.....	29,050	9					1				
Wheeling.....	56,208	26	3		123		2		2	1	
Wisconsin:											
Appleton.....	19,561	6	2				3				
Ashland.....	11,334	8									
Beloit.....	21,284				3		6		1		
East Claire.....	20,906		1								
Fond du Lac.....	23,427	4					3				
Green Bay.....	31,017		1				9				
Janesville.....	18,293	5			15						
Kenosha.....	40,472	5			353		1	1			
La Crosse.....	30,421		1		35		3				
Madison.....	38,378	3	1		5		7			1	
Marinette.....	13,610	5									
Milwaukee.....	457,147	160	26	4	298		185	3	9	3	
Oshkosh.....	33,162	8					3	1			
Racine.....	58,593	18			67		5			1	
Sheboygan.....	30,955	6	10		37				6		
Superior.....	39,671	5	1		2		1				
Wausau.....	18,661				8						
West Allis.....	13,745		1				7				
Wyoming:											
Cheyenne.....	13,829	3									

FOREIGN AND INSULAR.

BRAZIL.

Yellow Fever—Bahia.

A fatal case of yellow fever was reported during the week ended January 6, 1923, at Bahia, Brazil.

CUBA.

Communicable Diseases—Habana—Provinces.

Communicable diseases have been notified in Cuba as follows:

Habana.

	February 1-10, 1923.		Remain- ing under treat- ment Feb. 10, 1923.
	New cases.	Deaths.	
Chicken pox.....	14		4
Diphtheria.....	3	1	3
Leprosy.....			10
Malaria.....	17		123
Measles.....	2		5
Paratyphoid fever.....	1	1	1
Scarlet fever.....	1		3
Typhoid fever.....	9		239

¹ From the interior, 18.

² From the interior, 16; from abroad, 1.

Provinces.

NEW CASES REPORTED DECEMBER 1-10, 1922.

Province.	Cere- bro- spinal menin- gitis.	Chick- en pox.	Diph- theria.	Infan- tile tet- anus.	Mala- ria.	Mea- sles.	Para- typhoid fever.	Scarlet fever.	Small- pox.	Ty- phoid fever.
Camaguey.....			1		32				2	
Habana.....		2	1		38	1	1	7		34
Matanzas.....										6
Oriente.....		1			72				8	20
Pinar del Rio.....				1	2					4
Santa Clara.....		1	4		7		1			11
Total.....		4	6	1	151	1	3	8	10	75

NEW CASES REPORTED DECEMBER 11-20, 1922.

Camaguey.....					84		2			1
Habana.....		4	6		82	1	3	5		42
Matanzas.....		1	2							2
Oriente.....	1	6			77				3	11
Pinar del Rio.....			1		1					1
Santa Clara.....		2	1	1	9		32			12
Total.....	1	13	10	1	254	1	38	5	3	69

NEW CASES REPORTED DECEMBER 21-31, 1922.

Camaguey.....					71	1			2	1
Habana.....		5	4		69		1	1		20
Matanzas.....		2								3
Oriente.....		4	2		50	1			3	18
Pinar del Rio.....										
Santa Clara.....		15	1		11		5		1	12
Total.....		26	7		201	2	7	1	6	54

MADAGASCAR.**Plague.**

Under date of January 1, 1923, plague was reported in Madagascar as follows: From December 14, 1924, one case occurring in a European in Miarinarivo Province, and 11 cases occurring in Tananarive Province.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended March 2, 1923.¹**

The reports contained in the following tables must not be considered as complete or final as regards either the list of countries included or the figures for the particular countries for which reports are given.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India: Calcutta.....	Jan. 7-13.....	11	11	

PLAGUE.

Brazil: Bahia.....	Dec. 24-30.....	1	1	
British East Africa: Tanganyika Territory.....	Dec. 3-16.....	11	2	
India: Karachi.....	Jan. 7-13.....	1		
Madagascar: Province— Miarinarivo.....	Dec. 14-Jan. 1....	1		In European.
Tananarive.....	do.....	11		
Portugal: Oporto.....	Jan. 21-27.....		1	

SMALLPOX.

British East Africa: Tanganyika Territory.....	Nov. 24-Dec. 15...	6		
Canada: Ontario— Hamilton.....	Feb. 11-17.....	1		
Toronto.....	Feb. 4-10.....	1		
China: Amoy.....	Jan. 7-13.....		1	
Chungking.....	Dec. 31-Jan. 6.....			Present.
Focchow.....	Dec. 3-30.....			Do.
Do.....	Dec. 31-Jan. 6.....			Do.
Hankow.....	Jan. 14-20.....	1		Do.
Nanking.....	Jan. 7-20.....			Do.
Shanghai.....	Jan. 15-21.....	1		Foreign.
Cuba: Province— Camaguey.....	Dec. 1-31.....	4		
Oriente.....	do.....	14		
Santa Clara.....	Dec. 21-31.....	1		
Egypt: Port Said.....	Jan. 21-27.....	1		
Great Britain: Nottingham.....	Jan. 14-27.....	3		Nov. 19-25, 1922: One case.
Greece: Saloniki.....	Dec. 11-31.....	3	4	
India: Calcutta.....	Jan. 7-13.....	17	9	
Karachi.....	do.....	1		
Madras.....	do.....	14	8	
Japan: Kobe.....	Jan. 19-25.....	1		

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received During Week Ended March 2, 1923—Continued.****SMALLPOX—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Mexico City.....	Dec. 24-30.....	13		
Nogales.....	Feb. 4-10.....		1	
Palestine.....				Jan. 23-29, 1923: One case in northern district.
Portugal:				
Oporto.....	Jan. 21-27.....		2	
Spain:				
Huelva.....	Dec. 25-31.....		3	
Madrid.....	Dec. 1-31.....		1	
Seville.....	Jan. 15-28.....		3	
Valencia.....	Jan. 14-Feb. 3.....	1	1	
Switzerland:				
Berne.....	Jan. 14-27.....	30		
Zurich.....	Jan. 21-27.....	9		
Syria:				
Aleppo.....	do.....	2	1	Jan. 14-20, 1922: Present.

TYPHUS FEVER.

Egypt:				
Alexandria.....	Jan. 22-28.....	1		
Cairo.....	Nov. 26-Dec. 2.....	2		
Great Britain:				
Glasgow.....	Jan. 28-Feb. 3.....	1		
Greece:				
Saloniki.....	Dec. 18-24.....	3		Among refugees.
Mexico:				
Mexico City.....	Dec. 21-30.....	12		
San Luis Potosi.....	Feb. 4-10.....		1	Including municipalities in Federal district.
Palestine:				
Jaffa.....	Jan. 16-22.....	2		
Spain:				
Madrid.....	Dec. 1-31.....		1	
Syria:				
Aleppo.....	Jan. 21-27.....	7	1	

YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 31-Jan. 6.....	1	1	

Reports Received from December 30, 1922, to February 23, 1923.¹**CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Lintaoku.....	Sept. 22.....	60	20	
Chosen (Korea):				
Yalu River Region.....				Sept. 22, 1922: 30 deaths reported.
India:				Sept. 24-Nov. 18, 1922: Cases, 7,890; deaths, 5,316.
Bombay.....	Oct. 27-Dec. 23.....	2	1	
Calcutta.....	Nov. 12-Dec. 30.....	102	60	
Do.....	Dec. 31-Jan. 6.....	18	10	
Madras.....	Nov. 19-Dec. 16.....	4	2	
Rangoon.....	Nov. 12-Dec. 23.....	17	10	
Philippine Islands:				
Province—				
Laguna.....	Oct. 12-18.....	1		

¹ From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 30, 1922, to February 23, 1923—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia.....				Jan. 1-Oct. 7, 1922: Cases, 83,367.
Archangel (Government)...	Oct. 1-7.....	7		
Tashkent.....	do.....	27		Turkestan Republic: 3 cases reported on waterways.
Ukraine.....				Sept. 1-30, 1922: Cases, 119.
Donetz (Government)...	Sept. 1-30.....	29		
Tchernigov (Government)...	do.....	36		
Siam:				
Bangkok.....	Oct. 29-Dec. 16....	3	1	

PLAGUE.

Azores:				
Fayal Island—				
Castelo Branco.....	Dec. 2-31.....		3	Vicinity of Horta. Dec. 30, 1922: Several cases.
Pico Island—				
Lages.....	Nov. 27-Dec. 15....		8	1 case present Dec. 15, 1922.
St. Michael's Island.....				Nov. 12-Dec. 30, 1922: Cases, 100; deaths, 35. At localities 3-9 miles from Ponta Delgada.
Ponta Delgada.....	Nov. 26-Dec. 9....	3		
Brazil:				
Bahia.....	Oct. 29-Dec. 9....	4	4	
Porto Alegre.....	Nov. 19-25.....	1		
British East Africa:				
Kenya Colony—				
Tanganyika Territory..	Oct. 15-Nov. 18....	1	5	
Ceylon:				
Colombo.....	Nov. 12-Dec. 16....	28	21	Plague rodents, 12.
China:				
Hongkong.....	Nov. 5-Dec. 23....	14	12	
Ecuador:				
Guayaquil.....	Nov. 1-Dec. 31....	9	3	Rats examined, 16,600; found infected, 72.
Do.....	Jan. 1-15.....	3	1	Rats examined, 4,500; found infected, 13.
Egypt:				Jan. 1-Dec. 28, 1922: Cases, 485; deaths, 228. Jan. 1, 1922-Jan. 4, 1923: Cases, 487; deaths, 228.
City—				Jan. 1-11, 1923: Cases, 1; deaths, 1.
Alexandria.....	Nov. 19-25.....	2		
Do.....	Jan. 8-10.....	1	1	
Port Said.....	Nov. 19-27.....	4	2	
Suez.....	Nov. 18-Dec. 5....	3	4	
Province—				
Assiout.....	Nov. 19-Dec. 29....	4	1	Septicemic: 1 case, 1 death.
Dakablich.....	Dec. 3.....	1	1	Pneumonic.
Minieh.....	Nov. 18-27.....	2	1	
India:				Oct. 1-Nov. 18, 1922: Cases, 12,775; deaths, 10,084.
Bombay.....	Oct. 27-Dec. 23....	38	31	
Karachi.....	Dec. 10-16.....	1	1	
Do.....	Dec. 31-Jan. 6....	2	2	
Madras Presidency.....	Nov. 19-Dec. 30....	2,269	1,448	
Do.....	Dec. 31-Jan. 6....	251	131	
Madras.....	Nov. 19-25.....	1	1	
Rangoon.....	Nov. 12-Dec. 23....	46	44	
Japan:				
Osaka.....				July 1-Nov. 30, 1922: Cases, 70.
Java:				Oct. 1-Nov. 30, 1922: Cases, 90; deaths, 763.
East Java—				
Soerabaya.....	Oct. 22-Dec. 16....	12	12	
Soerakarta—				
Klaten.....	Nov. 4.....			Present in epidemic form.
Toeloeng-Agoeng.....	Oct. 29-Nov. 11....	17	17	Not a sea port.
Madagascar:				Jan. 1-Dec. 10, 1922: Cases, 143.
Province—				
Moramanga.....				To Nov. 12, 1922: Cases, 24; deaths, 21. Cases reported to Oct. 30, 1922, pneumatic.
Amparafara region.....	Sept. 18-Nov. 5....	21		Bubonic, 18; Septicemic, 3 (doubtful, 2).
Moramanga.....	Dec. 6-9.....	3		Bubonic.
Tamatave.....	Feb. 10-Sept. 12....	10		Do.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 30, 1922, to February 23, 1923—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Madagascar—Continued.				
Tananarive.....				Jan 1-Dec. 10, 1922: Cases, 73 (bubonic, 37; pneumonic, 8; septicemic, 28).
Ambohimangakeley....	Nov. 19-Dec. 9....	9		Bubonic, 3; pneumonic, 3; septicemic, 3.
Anketrina.....	Mar. 27-May 9....	11		Bubonic, 4; pneumonic, 2; septicemic, 5 (3 doubtful).
Fenoarivo region.....	Oct. 7-Nov. 28....	16		Bubonic, 3; pneumonic, 8; septicemic, 5.
Tananarive.....	Oct. 23-Dec. 10....		5	One septicemic.
Mesopotamia:				
Bagdad.....	Oct. 1-Nov. 30....	16		
Palestine:				
Jaffa.....	Nov. 27-Dec. 4....	1		
Peru:				Nov. 1-Dec. 15, 1922: Cases, 120; deaths, 51.
Localities—				
Canete.....	Nov. 16-Dec. 15....	22	9	
Chepen.....	Nov. 1-15....			Present.
Chichayo (city and country).....	Nov. 16-Dec. 15....	17	7	
Eten.....	do.....	4		
Guadaloupe.....	Nov. 1-Dec. 15....	15	6	
Huacho.....	Nov. 16-Dec. 15....	4	1	
Huaral.....	Nov. 16-30....	1		
Huarmey.....	Dec. 1-15....	1	1	
Jayanca.....	Nov. 16-Dec. 15....	4	2	
Lambayeque.....	Nov. 16-30....	5	3	
Lima (city).....	Nov. 1-Dec. 15....	8	6	
Lima (country).....	do.....	9	1	
Lurin.....	Dec. 1-15....	1		
Magdalena del Mar.....	Nov. 16-30....	1		
Mala.....	Dec. 1-15....	1		
Mosche.....	Nov. 16-30....	2	1	
Piura.....	do.....	8	5	
Pueblo Nuevo.....	Dec. 1-15....	4	2	
San Pedro.....	Nov. 1-Dec. 15....	6	3	
Sullana.....	Nov. 16-30....	3	3	
Trujillo.....	Nov. 1-Dec. 15....	1	1	
Tuman.....	Nov. 16-30....	3		
Portugal:				
Lisbon.....	Nov. 10-23....	4	2	
Portuguese, West Africa:				
Angola—				
Loanda.....	Oct. 1-Dec. 2....		44	Fatal cases among white population.
Siam:				
Bangkok.....	Nov. 12-Dec. 16....	4	4	
Spain:				
Barcelona.....	Nov. 15-Dec. 18....	1		Sept. 24-Nov. 14, 1922: Cases, 23; deaths, 9.
Straits Settlements:				
Singapore.....	Dec. 17-23....	2	2	
Syria:				
Beirut.....	Nov. 6-12....	2	1	
Turkey:				
Constantinople.....	Nov. 22-28....	2		
Union of South Africa:				
Transvaal—				
Klipfontein.....	Dec. 24-30....			Outbreak.
On vessels:				
S. S. Helicon.....	Dec. 1.....	1		At Thursday Island Quarantine, Australia, from Singapore, Straits Settlements. In Chinese fireman.
—	Dec. 30.....			At Port of London, plague-infected rats and cats found in grain cargo on vessel from South America.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 30, 1922, to February 23, 1923—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Dec. 1-10.....	1		
Arabia:				
Aden.....	Nov. 19-Dec. 23...	7	3	
Do.....	Jan. 7-13.....	1		
Brazil:				
Bahia.....	Nov. 5-11.....	1		
Rio de Janeiro.....	Nov. 25-Dec. 30...	40	15	
Sao Paulo.....	Oct. 16-22.....	1	1	
British East Africa:				
Kenya Colony—				
Tanganyika Territory..	Oct. 8-Nov. 18....	173	9	
Uganda.....	Sept. 1-30.....	1	1	
Canada:				
Manitoba—				
Winnipeg.....	Dec. 10-30.....	14		
Do.....	Jan. 21-27.....	1		
New Brunswick—				
Northumberland				
County.....	.....do.....	7		
Ontario.....				Dec. 1-31, 1922: Cases, 51; deaths,
Hamilton.....	Dec. 31-Feb. 10....	4		1. Jan. 1-30, 1923: Cases, 43.
Niagara Falls.....	Dec. 3-30.....	10		
Do.....	Dec. 31-Jan. 12....	12		
Ottawa.....	Dec. 10-23.....	6		
Do.....	Jan. 7-20.....	10		
Toronto.....	Dec. 10-30.....	2		
Quebec—				
Quebec.....	Jan. 14-20.....	3		
Saskatchewan—				
Regina.....	Dec. 3-23.....	2		
Ceylon:				
Colombo.....	Nov. 12-Dec. 9....	8	3	
Chile:				
Concepcion.....	Oct. 30-Dec. 25....		7	
Valparaiso.....	Oct. 2-Dec. 26....	4	54	In hospital, 83 cases.
Do.....	Jan. 9-15.....		9	
China:				
Amoy.....	Nov. 5-Dec. 23....		3	Nov. 26-Dec. 16, 1922: Present.
Antung.....	Nov. 13-Dec. 10....	2		
Canton.....	Oct. 1-Nov. 30....			Prevalent.
Chungking.....	Nov. 5-Dec. 16....			Present.
Foochow.....	Nov. 12-Dec. 16....			Do.
Hankow.....	Dec. 31-Jan. 6....	3	1	
Hongkong.....	Nov. 5-11.....		1	
Manchuria—				
Harbin.....	Nov. 20-Dec. 31....	13		
Mukden.....	Nov. 19-Dec. 16....			Do.
Do.....	Jan. 7-13.....			Do.
Nanking.....	Nov. 5-Dec. 23....			Do.
Chosen (Korea):				
Chemulpo.....	Oct. 1-Dec. 31....	135	84	
Fusan.....	Nov. 1-Dec. 31....	4		
Gensan.....	Dec. 1-31.....	6	2	
Seoul.....	Oct. 1-Dec. 31....	19	1	
Colombia:				
Buenaventura.....	Feb. 2.....	50		
Cuba:				
Province—				
Camaguey.....	Nov. 11-30.....	16		
Oriente.....	Nov. 21-30.....	8		
Czechoslovakia:				
Province.....				Oct. 1-31, 1922: Cases, 3.
Bohemia.....	Oct. 1-31.....	1		
Moravia.....	.....do.....	1		
Slovakia.....	Oct. 1-Nov. 30....	2		
Dominican Republic:				
Puerto Plata.....	Dec. 14-30.....	2		
Santo Domingo.....	Dec. 3-16.....			Present.
San Pedro de Macoris..	Jan. 13-19.....	2		
Ecuador:				
Guayaquil.....	Dec. 1-31.....	10		
Do.....	Jan. 1-15.....	5		
France:				
Paris.....	Dec. 1-10.....	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 30, 1922, to February 23, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Bremen.....	Dec. 3-9.....	1		
Great Britain:				
Liverpool.....	Dec. 11-17.....	1		From vessel.
London.....	Nov. 26-Dec. 23...	3		
Nottingham.....	Dec. 3-13.....	3		
Do.....	Jan. 7-13.....	2		
Greece:				
Saloniki.....	Nov. 6-Dec. 10...	3	1	
Zante.....	Jan. 17.....			Epidemic.
India:				Nov. 12-18, 1922: Cases, 639;
Bombay.....	Nov. 5-Dec. 23...	14	4	deaths, 160.
Calcutta.....	Nov. 12-Dec. 30...	46	23	
Do.....	Dec. 31-Jan. 6....	10	4	
Karachi.....	Nov. 26-Dec. 30...	6		
Do.....	Dec. 31-Jan. 6....	3	4	
Madras.....	Nov. 12-Dec. 30...	71	23	
Do.....	Dec. 31-Jan. 6....	15	4	
Rangoon.....	Nov. 5-Dec. 23...	22	5	
Japan:				
Kobe.....	Jan. 13-19.....	1	1	
Java:				
East Java—				
Sourabaya.....	Nov. 5-11.....	4		
West Java—				
Batavia.....	Nov. 11-Dec. 22...	25	1	City and Province.
Mesopotamia:				
Bagdad.....	Oct. 1-Nov. 30...	568	361	
Mexico:				
Chihuahua.....	Dec. 4-17.....		4	
Do.....	Jan. 1-28.....	19	11	
Guadalajara.....	Dec. 1-31.....	4		
Mexico City.....	Nov. 12-Dec. 23...	43		Including municipalities in Fed-
Do.....	Dec. 31-Jan. 6....	8		eral District.
Nogales.....	Dec. 10-19.....		1	Do.
Do.....	Dec. 31-Jan. 6....		1	
Saltillo.....	Jan. 28-Feb. 3....		1	
San Luis Potosi.....	Jan. 14-20.....		1	
Sonora, State.....				Nov. 1-30, 1922: Present in
Empalme.....	Nov. 1-30.....	4	1	northern section.
Torreón.....	Dec. 1-31.....		1	
Peru:				
Callao.....	Nov. 1-15.....	2		
Lima (city).....	Dec. 1-15.....	3	1	
Lima (country).....	Nov. 1-15.....	2	1	
Poland.....				Oct. 1-Dec. 2, 1922: Cases, 103;
Portugal:				deaths, 24.
Lisbon.....	Nov. 19-Dec. 30...	143	34	Dec. 25-31, 1922: Deaths, 12.
Do.....	Dec. 31-Jan. 6....	29	37	
Oporto.....	Oct. 15-Dec. 30...	24	12	
Do.....	Dec. 31-Jan. 20...	22	6	
Portuguese West Africa:				
Angola—				
Loanda.....	Oct. 27-Nov. 11...		10	
Russia:				
Province—				
Estonia.....	Oct. 1-Nov. 30...	42		
Lettonia.....	do.....	6		
Ukraine.....				Jan.-Sept., 1922: Cases, 8,744.
Spain:				
Corunna.....	Nov. 26-Dec. 2....		1	
Huelva.....	Nov. 24-30.....		1	
Seville.....	Nov. 27-Dec. 31...		32	
Do.....	Jan. 1-14.....		5	
Valencia.....	Nov. 26-Dec. 23...	3		
Do.....	Dec. 31-Jan. 13...	3		
Switzerland:				
Berne.....	Nov. 19-Dec. 30...	85		
Do.....	Dec. 31-Jan. 13...		47	
Zurich.....	Nov. 19-Dec. 30...	19		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from December 30, 1922, to February 23, 1923—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Syria:				
Aleppo.....	Nov. 19-Dec. 23...	38	20	Dec. 3-30, 1922: Present.
Do.....	Dec. 31-Jan. 13....	14	4	
Damascus.....	Nov. 1-30.....	82	16	
Tunis:				
Tunis.....	Dec. 1-22.....	2	1	
Turkey:				
Constantinople.....	Nov. 19-Dec. 16....	122	34	
Do.....	Dec. 31-Jan. 20....	213	56	
Union of South Africa.....				Oct. 1-Nov. 30, 1922: Cases—Colored, 29; white, 4.
Cape Province.....				Oct. 1-Nov. 30, 1922: Cases—Colored, 21; white, 4.
Do.....	Oct. 29-Dec. 30....			Outbreaks.
Natal.....	Dec. 3-30.....			Do.
Orange Free State.....	Dec. 10-16.....			Do.
Southern Rhodesia.....	Nov. 9-15.....	3		
Transvaal.....				Oct. 1-31, 1922: Cases, 8.
Do.....	Oct. 29-Nov. 4.....			Outbreaks.
Johannesburg.....	Nov. 1-30.....		1	
Yugoslavia.....				Aug. 1-31, 1922: Cases, 30; deaths, 12.
Serbia.....				Aug. 1-31, 1922: Cases, 26.
Belgrade.....	Nov. 12-Dec. 23....	9	4	
On vessel:				
S. S. Huntress.....	Nov. 11.....	1		At Fremantle, Australia, from Cape Town, South Africa.
S. S. Junin.....	Jan. 13.....	1		At Antofagasta, Chile. Vessel proceeded to Arica, Chile, with patient on board.
.....	Dec. 17-23.....	1		At Liverpool.

TYPHUS FEVER.

Algeria:				
Algiers.....	Nov. 11-Dec. 31....	2	1	
Oran.....	Jan. 11-20.....	1	1	
Brazil:				
Pernambuco.....	Dec. 3-9.....	2	2	
Porto Alegre.....	Nov. 19-Dec. 16....	3		
Chile:				
Antofagasta.....	Nov. 12-Dec. 30....	24	5	Nov. 11-Dec. 5, 1922: Cases, 10; deaths, 2.
Do.....	Dec. 31-Jan. 6.....	2	1	
Concepcion.....	Oct. 17-Dec. 18....		9	
Do.....	Dec. 26-Jan. 15....		7	
Ignique.....	Jan. 14-20.....		1	
Talcahuano.....	Nov. 12-Dec. 23....	10	6	
China:				
Antung.....	Nov. 13-Dec. 10....	7		
Manchuria—				
Harbin.....	Nov. 20-26.....	7		
Do.....	Jan. 1-7.....	1		
Cuba:				
Matanzas.....	Dec. 25-31.....	1	1	
Czechoslovakia:				
City—				
Prague.....	Nov. 19-25.....	1		
Province—				
Bohemia.....	Nov. 1-30.....	1		
Ruthenia.....	Oct. 1-31.....	1		
Slovakia.....	Nov. 1-30.....	2		
Danzig (Free City).....	Jan. 7-13.....	1		
Egypt:				
Alexandria.....	Nov. 19-Dec. 31....	2	1	
Cairo.....	Oct. 1-Nov. 11....	11	7	
Germany:				
Berlin.....	Nov. 26-Dec. 2.....		1	
Coblenz.....	Dec. 10-16.....		1	
Dresden.....	do.....	1		
Great Britain:				
Glasgow.....	Jan. 7-27.....	3		
Greece:				
Leucadia.....	Jan. 17.....			Present.
Prevesa.....	do.....			Do.
Zante.....	do.....			Do.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.**Reports Received from December 30, 1922, to February 23, 1923—Continued.****TYPHUS FEVER—Continued.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ireland:				
Belmullet.....	June 15-Dec. 14...	20		In county Mayo.
Mexico:				
Mexico City.....	Nov. 12-Dec. 23.....	78		Including municipalities in Federal District.
Do.....	Dec. 31-Jan. 7.....	7		Do.
San Luis Potosi.....	Jan. 28-Feb. 3.....		1	
Palestine.....				Dec. 5-25, 1922: Cases, 3; in northern section.
Jaffa.....	Dec. 12-18.....	2		
Jerusalem.....	Dec. 26-Jan. 1.....		1	
Persia:				
Teheran.....	Sept. 24-Oct. 21....	1		
Poland.....				Oct. 1-Dec. 2, 1922: Cases, 1, 415; deaths, 101; Recurrent typhus: Cases, 1, 583; deaths, 45.
Portugal:				
Oporto.....	Oct. 15-Dec. 2.....	1	1	
Rumania:				
Bucharest.....	Nov. 1-30.....	5		To Jan. 31, 1923: Cases, 96; deaths, 13.
Russia.....				July 30-Sept. 23; 1922: Cases, 23,803.
Esthonia.....				Oct. 1-Nov. 30, 1922: Cases, 7.
Libau.....	Dec. 24-30.....	1		Recurrent typhus: Cases, 7.
Lettonia.....	Oct. 1-Nov. 30.....	45		Recurrent typhus: Cases, 9.
Ukraine.....	Jan.-Sept.....	307, 329		
Ukraine, Tartar Republic and Siberia.....	June 1-30.....	35, 926		Provisional figures.
Do.....	July 1-31.....	17, 262		Do.
Do.....	Aug. 1-31.....	6, 864		Do.
Do.....	Sept. 1-30.....	2, 388		Do.
Spain:				
Barcelona.....	Nov. 30-Dec. 27.....		3	
Do.....	Jan. 11-17.....		1	
Syria:				
Aleppo.....	Dec. 10-16.....	1	1	
Do.....	Jan. 7-13.....	10	4	
Turkey:				
Constantinople.....	Nov. 27-Dec. 2.....	3		
Do.....	Dec. 31-Jan. 20.....	14	2	
Union of South Africa.....				Oct. 1-Nov. 30, 1922: Colored—cases, 1,986; deaths, 184; white—cases, 7; deaths, 2.
Cape Province.....				Oct. 1-Nov. 30, 1922: Colored—cases, 1,799; deaths, 146; white—cases, 3; deaths, 1.
Do.....	Oct. 29-Dec. 16.....			Outbreaks.
Natal.....				Oct. 1-Nov. 30, 1922: Colored—cases, 107; deaths, 27; white—cases, 2.
Do.....	Dec. 3-9.....			Outbreaks.
Orange Free State.....				Oct. 1-Nov. 30, 1922: Colored—cases, 58; deaths, 6; white—cases, 2; deaths, 1.
Do.....	Nov. 12-Dec. 30.....			Outbreaks.
Transvaal.....				Oct. 1-Nov. 30, 1922: Colored—cases, 22; deaths, 5.
Do.....	Oct. 29-Nov. 25.....			Outbreaks.
Johannesburg.....	Nov. 1-30.....	3	6	
Venezuela:				
Maracibo.....	Jan. 21-27.....		1	
Yugoslavia:				
Bosnia-Herzegovina.....	Aug. 1-31.....	1		
Serbia.....				Aug. 1-31, 1922: Recurrent typhus fever, cases, 4.

YELLOW FEVER.

Mexico:				
Ciudad Victoria.....	Dec. 17-23.....	1		
West Africa:				
Gold Coast—				
Saltpond.....				Reported present Dec. 21, 1922.
Nigeria—				Do.
Warra.....				